# Enumeration of Juvenile and Adult Coho Salmon at Black Creek, Vancouver Island, 2008

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# ENUMERATION OF JUVENILE AND ADULT COHO SALMON AT BLACK CREEK, VANCOUVER ISLAND, 2008

by

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## ABSTRACT

Van Will, P., Stiff, H.W., Nagtegaal, D., Miyagi, E., and Duncan, K. 2011. Enumeration of juvenile and adult coho salmon at Black Creek, Vancouver Island, 2008. Can. Manuscr. Rep. Fish. Aquat. Sci. 2951: viii + 87 p.

The counting fence on Black Creek was operated between April 1st and June 4th, 2008, to enumerate and tag coho smolt out-migration. During the spring program, a total 34,201 smolts were captured, and sampled, of which 12,358 (35%) were successfully coded-wire tagged and released. Factoring for short-term tag loss of 1.5% results in 10,269 effectively coded-wire tagged smolts. The out-migration was 74.5% age 1 smolts and 25.5% age 2s. The adult fence was operated from October 7th to November 15th, and spawn surveys were conducted from November 14th to December 8th. A total of 891 large adults (male to female ratio of 1 : 1.3) were enumerated, and 880 were tagged for mark-recovery escapement estimation. 444 jacks were enumerated. CWTs were detected in 58 adults and 8 jacks, indicating a low (7.2%) detection rate. The single-census Petersen mark-recapture population estimate for adult coho was 1,192 ± 51. The mode of the Bayesian population estimate for adult coho escapement was 1,120, with a 95% highest probability density of 1,056 – 1,217. Exploitation rate was assumed to be equivalent to the aggregated estimate derived elsewhere for Vancouver Island Georgia Strait coho: 5.8%. Marine survival was estimated to be 0.76% for Black Creek adult coho, the lowest on record.

## RÉSUMÉ

Van Will, P., Stiff, H.W., Nagtegaal, D., Miyagi, E., and Duncan, K. 2011. Enumeration of juvenile and adult coho salmon at Black Creek, Vancouver Island, 2008. Can. Manuscr. Rep. Fish. Aquat. Sci. 2951: viii + 87 p.

La barrière de dénombrement du ruisseau Black a été utilisée du 1er avril au 4 juin 2008 pour dénombrer et marquer des smolts de saumons cohos en dévalaison. Au total, 34 201 smolts ont été capturés durant le programme d'échantillonnage de printemps, dont 12 358 (35 %) ont été munis d'une micromarque magnétisée codée avant d'être relâchés. Après le taux de perte des micromarques à court terme de 1,5 % considéré, il reste 10 269 smolts munis d'une micromarque magnétisée codée. La dévalaison était de 74,5 % chez les smolts d'âge 1 et de 25,5 % chez les smolts d'âge 2. La barrière de dénombrement des adultes a été utilisée du 7 octobre au 15 novembre, et des relevés des pontes ont été effectués du 14 novembre au 8 décembre. Au total, 891 saumons adultes de grande taille (rapport des sexes de 1 mâle:1,3 femelle) ont été dénombrés, dont 880 qui ont été marqués aux fins d'estimation de l'échappée par marquage-recapture. On a également dénombré 444 mâles précoces. Le repérage de 58 adultes et de 8 mâles précoces munis d'une micromarque magnétisée codée indique un faible taux de détection (7,2 %). L'estimation du nombre de cohos adultes par recensement unique (méthode Peterson) par marquage-recapture était de 1,192 ± 51. Le mode de l'estimation bayésienne de l'échappée pour les cohos adultes était de 1,120, et la densité de la probabilité la plus élevée de 95 % était de 1,056 à 1,217. Le taux d'exploitation était présumé équivalent à l'estimation globale dérivée d'un autre endroit pour les saumons cohos provenant du détroit de Georgia (île de Vancouver), c'est-à-dire 5,8 %. Le taux de survie en mer des saumons cohos provenant du ruisseau Black a été estimé à 0,76 %, soit le plus faible taux enregistré à ce jour.

## INTRODUCTION

This report documents the 2008 smolt and adult enumeration programs for coho salmon (*Oncorhynchus kisutch*) at the Black Creek fence. Both enumeration programs are based on sampling conducted at the permanent fence site located 100 m upstream of tidal influence, about 40 m downstream from Seaview Road in Miracle Beach Provincial Park. A series of projects have been conducted sporadically at this location since 1968 (Baillie, Simpson & Taylor 2004) and an uninterrupted data set has been compiled, under the present program, since 1984. In addition to coho, Black Creek supports populations of coastal cutthroat trout (*O. clarki*), and rainbow trout (*O. mykiss*).

The spring program is designed to assess the out-migration of coho smolts with respect to numbers, size and age composition, and migration timing. Coded-wire tags (CWTs) are implanted in smolts during specific periods throughout the migration.

Adult coho returning in the fall are counted at the same location utilizing a modified fence configuration. The general structure has been described by Baillie et al. (2004). Modifications were made in 2001, replacing the steel panels with aluminium grates and extending the cat-walk for a further 1.5 m beyond the downstream edge of the concrete sill. The traps were also modified to incorporate an adjustable height exit at the upstream end, through which fish could be counted into the system during flooding, eliminating the necessity to net each one. Each exit features a right-angle aluminium plate, leading upstream, to increase the visibility of fish and counting accuracy under turbid flows. In 2003, the fence centre panels were cut in half lengthways and Teflon runners were attached along the contact edge with the A-frame, to facilitate removal during high water events.

Spawners counted through the fence are enumerated by sex, and sampled for length, age and maturity. Carcasses are sampled and heads are recovered from coded-wire tagged fish. Since 1984, mark-recapture has been the primary method of escapement estimation, with marking conducted at the fence and recovery surveys conducted at up to 15 upstream sites.

Recoveries of coded wire tagged coho in the escapement are used with catch recoveries and release data to estimate ocean survival and exploitation rates. The utility of the data depends on long-term monitoring of escapements, smolt abundances, survivals, catches, exploitations and escapements. Data from the project, along with other sources, is used to predict coho returns, ocean survival and migration patterns for the south coast of British Columbia.

## STUDY AREA

Black Creek is a moderately sized coastal stream located 30 km north of Courtenay, on the east coast of Vancouver Island. It is approximately 31 km long and flows into the Strait of Georgia at Elma Bay (Figure 1). The watershed area is approximately 81 $km^2$ (Brown, Barton & Langford 1996) and predominantly comprised of agricultural lands with forested areas in the upper catchment. Lower in the watershed, small lakes, of which Northy Lake is the largest, beaver ponds, and swampy areas are distributed

among the stream reaches (Figure 2). These areas contribute to the characteristic humic stained flows in the lower sections via a number of tributaries, the largest being Millar Creek. Discharge is largely dependent on rainfall; irrigation and drainage projects have reduced already low summer flows in Black Creek, such that, in summer, some sections of the creek are dry. In contrast, fall freshets can result in a discharge of up to 60 $m^3/s$ (Labelle 1990). Once the storage capacity of the watershed is reached, the creek responds rapidly to rainfall, and prolonged flood events tend to be the norm.

## METHODS

### PHYSICAL OBSERVATIONS

General weather observations were made daily and recorded as subjective comments on rainfall, cloud cover and wind strength. Measurements of river height were normally made each day at about 8:00 a.m. Water level was recorded from a staff gauge (± 5 mm) located approximately 250 m upstream of the fence. Minimum, mean, and maximum daily water temperature were calculated based on hourly samples downloaded from a Tidbit temperature datalogger (No. 879280) installed upstream of the fence site.

### SMOLT OPERATIONS

The basic sampling and tagging procedures resembled other years of the program. Weekly duties were divided into two days coded-wire tagging and five days enumerating only. The trap was installed on April 1st and maintained until June 4th. Catches from the previous day were removed from the holding boxes at about 8:00 a.m. and sorted into buckets, by species. All sampling and tagging was performed on anaesthetized smolts using tricaine methane sulphonate (MS-222) as the anesthetic.

Random length samples were collected by measuring, approximately, every 10th coho smolt on days when coded wire tags (CWTs) were applied. The length-weight relationship for coho smolts was derived based on the power function:

Equation 1 $$W = a * L^{b}$$

where $W$ = weight in grams and $L$ is fork length in millimeters. Condition factor ($K$) was calculated for each smolt as a measure of the fish's degree of well-being or robustness (Williams 2000), as:

Equation 2 $$K = 100{,}000\ W / L^{3}$$

Data collection to determine the age structure of the population was collected as one continuous group of random sample from April 27 to May 26, 2008 totaling 600 samples (every 10th fish for large volumes and every 5th fish for small volumes). In past years, the program sampling period was stratified into three separate groups and a non-random (by each 5mm length group) age sample was taken for each strata. The age composition of smolts was calculated for each of the three sampling periods after Ketchen's stratified sub-sampling method (Ricker 1975). This methodology was abandoned in 2008 with the theory that the same age composition breakdown could be obtained via a non-stratified random sample.

Smolts were injected with a CWT, which was applied with either a MK II or a MK IV Tagging Unit (Northwest Marine Technologies, Shaw Island, WA 98286). Tagged coho were placed into a floating holding box to recover from the operation, and released periodically through the day. Untagged coho (no tag detection by hand-held wand) were re-tagged. Moribund fish were released untagged. Four short-term tag retention tests were conducted (May 1st, 7th, 10th and 20th) to estimate the number of CWT'd coho smolts that lost their tag in the first 24 hours.

While coho fry (which are not consistently captured by the screen size used in traps and panels) and other salmonids were enumerated at the counting fence, meristics data were not collected this year. Non-salmonids were enumerated by species.

## ADULT OPERATIONS

Adult Enumeration and Sampling

The counting fence was installed on October 7th and operational until closure on November 18th.

The fence traps were inspected at 8 a.m., and periodically through the day as warranted by fish movement. Individual fish were netted from the trap and sampled for fork length (± 5 mm), sex (female, adult male or jack) and the presence of fin clips or external marks, including hook scars and severe injuries. Weights were not recorded. The presence of a CWT in fin-clipped coho was verified with a Northwest Marine Technology wand tag detector. Fish condition was assessed using the subjective categories of:

1. Silver (no spawning colour or characteristic morphological changes commonly associated with spawning coho);
2. Green (some darkening of body colour but little morphological change);
3. Mature (colour and morphological characteristics of a spawning coho but eggs or sperm not easily expelled); and
4. Ripe (similar to a mature fish, except, eggs and sperm readily expelled with little or no force).

Jack coho were defined as those male fish with a fork length of less than 44 cm, although this category may include some small adults. Weights were not measured in 2008. Other salmonid species encountered at the fence were identified, sexed and measured for fork length (± 5 mm).

Mark-Recapture

Adult and jack coho were tagged with a numbered, clear T-bar anchor tag (TBA-2, 2 in., Hallmark Pty Ltd., South Australia, 5211). Tags were inserted into the dorsal musculature on the left side of the dorsal fin, between the anterior pterygiophores. A 7 mm hole was punched in the left operculum of each tagged fish. Short-term tag mortality was assessed by retaining five tagged adults in the adult trap box for 24 hours.

Recoveries of marked and unmarked coho were conducted at 8 sites (Figure 2) during spawning ground surveys between November 14th and December 8th. All fish encountered were checked for marks. Recoveries were classified as untagged, tagged (T-bar tag), or lost tag (opercula punch but no tag). Tag numbers were noted, as were other marks such as adipose clips present or unknown due to the condition of the fish. The heads from carcasses that gave a positive response when tested for the presence of a CWT were preserved for analysis.

## DATA ANALYSIS

### Escapement Estimation

Coho escapement population estimates *N* and variance were derived from single-census Petersen mark-recapture methods (Ricker 1975), using both the bias-corrected hypergeometric estimator and the direct binomial estimator for small samples without replacement. The former was calculated as:

Equation 3 $$N = ((M+1) * (C+1) / (R+1)) - 1$$

where *M* is the number of marks applied, *C* is the number of fish recovered, and *R* is the number of marks in the total fish recovered. The variance of this estimate was calculated from:

Equation 4 $$\text{Var}(N) = (M+1) * (C+1) * (M-R) * (C-R) / ((R+1)^2 * (R+2))$$

The binomial estimator can be calculated as:

Equation 5 $$N = ((M * (C+1) / (R+1))$$

with variance:

Equation 6 $$\text{Var}(N) = M^2 * (C+1) * (C-R) / ((R+1)^2 * (R+2))$$

Additional estimates for coho adults and adults + jacks populations were derived from temporal sub-sets of the mark-recapture data using the sequential Bayesian approach (Gazey & Staley 1986). This method has been used in a majority of previous studies to account for under-reporting of tags in visual surveys and to eliminate tag loss corrections (Taylor, Baillie & Simpson 2006). It determines the posterior distribution of probabilities associated with population size from the joint probabilities of mark recovery rates. Calculated population parameters include the mode, a maximum likelihood estimate of the sampling distribution, and the 95% highest probability density (HPD). It should be noted that, while the HPD has equivalence to a confidence interval, it forms a direct probability statement about population size (Gazey & Staley 1986). The mode is reported as a single value which denotes that each integer between the population bounds has been evaluated.

### Exploitation Rate

The percent exploitation rate (*ER*) of adult Black Creek coho is calculated as:

Equation 7 $$ER = 100\ C / (C + M + E)$$

where *C* is the estimated fishing mortality, *M* is the known pre-spawn natural mortality, and *E* is the adult escapement.

Marine Survival

Percent marine survival rate (*S*), is calculated as:

Equation 8 $S = 100 (C + M + E) / R$

where *C* is the estimated fishing mortality, *M* is the pre-spawn natural mortalities, *E* is the tagged adult escapement, and *R* is the number of tagged smolts in 2007, corrected for long-term tag loss.

## RESULTS

### JUVENILE ENUMERATION

Environmental Conditions

The smolt fence was operational from April 1st to June 4th, 2008. However, the top fence panels were removed for a few days to relieve pressure on the fence due to water levels above 80 cm between April 6th and 10th (Table 1). Normal smolt trapping resumed on April 11th, although high waters occurred again on April 13th. Water levels generally diminished for the rest of April and through the peak smolt migration period in May, averaging about 60 ± 7.5 cm in depth (Figure 3).

Daily air temperature averaged 9.9°C ± 3.2°C (range 4.2°C to 16.0°C) during the smolt migration period (Table 1, Appendix A). Mean daily water temperature was 10.5 ± 2.9°C (range 4.3°C to 16.4°C). By the end of the smolt out-migration period in late May, mean daily water temperatures were oscillating around 15°C (Figure 3).

Fence Counts

Smolt out-migration began in earnest in late April, with peak daily migration occurring on May 7-8th (2,800 smolts per day) and similar spikes of up to 2,500 coho smolts per day occurring between May 12-20 (Appendix B)[1]. 75% of the smolt migration occurred between May 6th and May 20th (Figure 4). A total of 34,201 coho smolts were enumerated. 1,838 coho fry were also counted.

Smolt Aging

600 smolts were scale-sampled for aging, including 100 in Period 1, 80 in Period 2, 290 in Period 3, and 130 in Period 4 (Appendix D). Of the 427 fully-aged scales, 74.5% were from brood year 2007 (age 1.0) and 25.5% were from brood year 2006 (age 2.0) (Table 2). For 157 partially-aged scales, the marine annulus was undetectable, and of 16 unreadable scales, 10 were due to the scales mounted upside down (Table 3).

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[1] Daily counts of non-coho species through the smolt fence are listed in Appendix C. Coastal cutthroat trout (*O. clarki*) numbered 192 adults and 49 juveniles. No rainbow trout (*O. mykiss*) were identified (Appendix A). Pacific lamprey (*Lampetra tridentatus*) were less numerous than other years with only 19 enumerated at the fence, as well as 42 sculpins (*Cottus asper or C. aleuticus*).

Though age 1.0 smolts predominated throughout the out-migration period, age 2.0 fish contributed 75% of the fully aged fish in Period 1. The contribution of age 2.0s subsequently diminished in Period 2 (60%), Period 3 (12%), and Period 4 (less than 5%) (Table 4). However, the incidence of partially aged M.0's accounted for up to 37% of scales in the last two periods, which might obscure the actual contribution of age 2.0's (Table 5).

Smolt Size

A total of 400 smolts were measured for fork length and fresh weight (Appendix E). Length frequency data indicate a bi-modal distribution, with peaks at 125-135 and 170-180 mm, most likely due to the large size of age 2.0 fish (Table 6, Figure 5).

Mean coho smolt fork length for all periods was 141.9 ± 25.8 mm (range 70 – 255 mm) (Table 7). Mean smolt weight was 30.7 ± 16.1 mm (range 5 – 155 g). Average length of smolts declined from Period 1 to Period 4, from 159.5 ± 25.9 mm to 124.5 ± 16.1 mm, as did average weight (Table 7). However, some of the largest fish and the best condition factor (K ≈ 0.9 to 1.1) occurred in Period 3 (Appendix E).

The length/weight relationship (Figure 6) for measured coho smolts was:

$$\textit{Weight}\ (g) = 0.00001 * \textit{Length}\ (mm)^{2.9124};\quad (r^2=0.93,\ n=400)$$

CWT Tagging

Coded-wire tagging procedures resulted in a total of 10,428 successfully coded-wire tagged smolts, representing 30% of the out-migration (Table 8).

Pre-sample mortalities (499 fish) affected <1.5% of the total catch. However, the majority (97%) of these mortalities occurred on 05-May, perhaps due to trap box overcrowding as coho smolt migration commenced in full. Tagging mortalities (2) were low, representing <0.02% of the tagged fish (Table 8).

The short-term 24-hour tag loss rate was estimated at 1.5%, based on four retention tests in which 6 of 383 tagged smolts that did not retain their CWTs (Table 8). Factoring the number of CWT'd smolts by the short-term tag loss percentage resulted in 10,269 effectively tagged smolts.

## ADULT ENUMERATION

Environmental Conditions

The adult counting fence was installed and operational from October 7th to November 18th (Appendix F). Black Creek flows remained below the 1 meter level (mean 85 cm) for most of October. The month of October was punctuated by only one migration event on October 17th, associated with a slight increase in water levels due to rain (Figure 7). Peak coho migration was coincident with the wet weather and higher creek flows in early November. High water levels during November 8th – 10th breached the fence; at least 16 visually-observed coho escaped un-sampled. However, it is uncertain how many coho may have migrated upstream during this time.

Spot air temperatures varied from +11 to -1°C (mean 6.0°C), though spot water temperatures remained above 6°C, and averaged about 7.6°C during the migratory period (Figure 8).

Biological Sampling

A total of 1,354 coho consisting of 891 adults and 444 jacks were counted, sampled, and marked at the fence between October 7th and November 13th (Table 9). A further 19 coho were observed, but not fully sampled or sexed.

Fish Condition

The majority of coho returns (60%) were in "green" condition, followed by "mature" (32%), and "silver" (7%) (Table 10). No "ripe" fish were identified at the fence. Jacks comprised almost 50% of the "silvers", followed by females (40%). Over half of the males assessed at the fence, but only 35% of females, were "mature".

Sex Composition

The tally of 391 males (44%) and 500 females (56%) yielded a male-to-female sex ratio of 1 : 1.3 at the fence (Table 10).

Age Composition

A total of 89 coho were sampled for scales at the counting fence (Table 11). Of that number, only 43 coho were successfully aged. 88% of aged fish were 1.1 (Gilbert age $3_2$) from brood year 2005, and 12% were age 2.1 (Gilbert age $4_3$) from brood 2004. For 41 scales, the freshwater annulus could not be distinguished and all fish were classified as M1 (1 marine annulus). Of 5 unreadable scales, 4 were simply mounted upside down.

Age and Sex Composition

All 43 successfully aged fish were also sexed. Age 1.1 females and males comprised approximately 54% and 35% of the samples, respectively (Table 12). Age 2.1 fish represented only 12%.

Size Distribution[2]

The modal length frequency for adult coho migrants was in the 71-75 cm range for females, 76-80 cm for large males, and 31-35 cm for jacks (Table 13). The mean length for adult males (75.0 cm) was not significantly larger than for females (71.1 cm) ($P > 0.05$); jack coho averaged 33.9 cm (Table 14). Due to the large percentage of returning jacks, the length frequency distribution is essentially bimodal (Figure 9).

Size at Age

Size of aged fish indicates age 2.1 females to be about 6 cm longer in fork length than age 1.1 females, which averaged 68.6 cm (Table 15). Age 1.1 males averaged 71.2 cm. No male 2.1 fish were sampled.

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[2] Returning coho weights were not recorded in 2008.

Coded Wire Tags

Of 1,354 total coho counted at the fence, 1,248 were tested for the presence of a CWT, including 870 adults and 377 jacks (Table 16). Coded-wire tags were positively located in 58 large adults (35 females and 23 males) and 8 jacks, In total, CWTs were detected in 5.3% of fish examined, and 7.2% of adults examined.

Mark-Recapture

Of the observed 1,354 coho migrants, 882 were tagged with a T-bar anchor tag, combined with a left opercula punch (Table 17). The 882 tagged coho included 878 large adults (495 females and 385 males), and 2 jacks. There were no immediate mortalities due to capture, handling, or tagging, and no 24-hour delayed mortalities. Thus tag mortality was assumed negligible.

Recoveries of marked and unmarked coho were conducted at 8 stream reaches between November 14$^{th}$ and December 8$^{th}$ (Table 18, Table 19). No patterns in spawner distribution between reaches were apparent from the recoveries. Total carcasses recovered (194) represented 15% of the fence count. The male:female sex ratio obtained from pooled spawning ground coho recoveries was 1 : 1.2. As usual, the recovery of jack carcasses was problematic; only 5 were encountered during stream surveys, i.e., 1.1% of jack observations at the fence.

All carcasses encountered were checked for marks. Of the 194 adults examined, 143 marked coho were recovered, 81 of which had T-bar tags, while an additional 62 had operculum hole-punches but were missing the T-bar tags (Table 20). Thus the T-bar tag loss percentage was 43%. The male:female sex ratio of marked carcass recoveries was 1 : 1.3, while, of the 51 unmarked coho carcasses recovered, a slight majority were males (1 : 0.8).

Simple Petersen Mark-Recapture Population Estimates

A single-census Petersen mark-recapture estimate for adult coho (ignoring jacks) was obtained from the bias-corrected *hypergeometric estimator* (Equation 3) for population size as $N = 1{,}192 \pm 46$ (Table 21). Since the ratio of marked recaptures to catch exceeds 0.1, it may be more appropriate to use the binomial confidence interval calculation (Seber, 1982).The *binomial estimator* (Equation 5) for adult coho was calculated as $N = 1{,}192 \pm 51$.

Bayesian Posterior Probability Mark-Recapture Population Estimates

The *posterior probability distribution* for adult coho was constructed from 25 time intervals (T) associated with available marks (M) in the spawning population at time T, the observed number of coho carcass encounters (C), and the number of marks recovered (R) in the encounters (Table 22). The weighted median and mean of the posterior probability distribution were 1,127 and 1,131 ± 1.6 fish, respectively (Table 23).1001 discrete population runs were modeled between bounds of 1,000 – 1,500 individuals. These data provided a modal adult population estimate of 1,120 fish (Figure 10), with the highest probability density of 1,056 – 1,217, $\alpha = 0.05$) (Figure 11).

## EXPLOITATION RATE AND MARINE SURVIVAL

Virtually all coho from the major South Coast hatcheries have been marked since 1997 (a pelvic fin clip in the first year and an adipose clip thereafter). This was in anticipation of selective mark fisheries, which are intended to harvest hatchery but not wild production. 1997 was the last year when major non-selective fisheries occurred in southern BC. Since Black Creek coho are a wild stock, smolts were not adipose clipped between 1997 and 2002. However, in 2003 and, again, in 2004 a portion of the smolt output was adipose clipped as well as coded-wire tagged. This was not repeated for any of the 2005 - 2008 smolt production cycles.

It is assumed that Black Creek coho are encountered in BC and Alaska sport fisheries at the same rate as marked coho from Quinsam Hatchery, 27 km from Black Creek. Since studies suggest that 10% of sport-caught coho do not survive after release, the exploitation rate in BC sport fisheries is assumed to be 10% of the Quinsam exploitation in BC catch-and-release recreational fisheries. However, for Alaskan fisheries all coho are retained so the Alaskan exploitation rate of Black Creek coho is assumed equal to Quinsam hatchery coho exploitation.

The percent exploitation rate (*ER*) of adult Black Creek coho is calculated based on CWT tag estimates, as:

$$ER = 100 * C / (C + M + E)$$

where *C* is the estimated fishing mortality, *M* is the known pre-spawn natural adult mortality (assumed to be negligible), *E* is the adult escapement.

CWT-tagged adult coho escapement *E* (79.3 fish) was derived from the proportion of tagged adult returns (7.08%) multiplied by the modal estimate of the total adult escapement (1,120). The proportion was calculated from the estimated number of CWT adults (64.4 CWTs, based on 58 observed fish adjusted for long-term tag loss of approximately 10%[3]), divided by the total number of adult coho examined at the fence for CWTs (910)[4].

Though catch data (*C*) are unavailable for Black Creek coho in 2008, an estimate of 5.8% exploitation was independently provided for Vancouver Island and Georgia Strait coho for 2008 (source: Pacific Salmon Commission) which can be used to back-calculate the catch mortality. Re-arranging the *ER* equation yields:

$$ER = 100 * (C / (C + 0 + 79.3)) = 5.8\%$$

$$C = 0.058 * 79.3 / 0.942$$

$$C = 4.9 \text{ (range: } 4.7 - 5.1)$$

Thus, catch of CWT'd adults is estimated as approximately 5 fish, with a range of 4.7 – 5.1 fish, based on minimum & maximum long-term tag loss rates (Taylor & Baillie, in prep.).

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[3] Since CWT'd smolts were not adipose fin-clipped in 2007, long-term CWT tag loss cannot be directly determined. In previous years, long-term CWT tag loss in adult Black Creek coho was 6.4% (2004) (Taylor, Baillie & Simpson, in prep) and 14.6% (2005) (Taylor & Baillie, in prep), mean ~10%.

[4] Includes one un-sampled coho classified as an adult based on fork length, and 19 bypass adults.

Percent marine survival rate ($S$), is:

$$S = 100\ (C + M + E)\ /\ R$$

where $C$, $M$ and $E$ are calculated as for exploitation rate, and $R$ is the number of tagged smolts in 2007 corrected for long-term tag loss. The estimated number of tagged smolts ($R$ = 11,025) was then derived by applying the 10% long-term tag loss rate to an estimated 12,250 effectively tagged releases in 2007, after adjusting the 12,358 CWT'd smolts for short-term tag loss of 0.87% (Van Will et al., 2010b).

Thus:

$$S = 100 * (4.9 + 0 + 79.3) / 11{,}025$$

$$S = 0.76\% \text{ (range: } 0.71 - 0.85\%)$$

Thus, marine survival of coho adults is estimated to be 0.76%, with a range of 0.71 – 0.85%, based on minimum & maximum long-term tag loss rates (Taylor & Baillie, in prep.). Estimated marine survival and exploitation rates since 1976 are presented in Table 24, where available.

## DISCUSSION

### SMOLTS

Smolt migration past the Black Creek fence in 2008 peaked in early May, similar to recent years. Enumerated coho smolt out-migrants (34,700), and total coded-wire tagged smolts (10,428) were roughly equivalent to 2007 outputs. Short-term tag loss estimates of 1.5% were used to estimate an effective tag release of 10,269 coded-wire tagged smolts migrating to sea in 2008 (30% of the total run).

As usual for Black Creek, age 1 fish predominated in the 2008 smolt migration (75% of aged fish). The length distribution of partially-aged (M0) fish (Figure 5) suggests that the majority of these fish were also age 1. The remainder of the migration was composed of age 2 smolts, which were most common during the first time period. Age 3 smolts have not been identified in the Black Creek out-migration since 2005, and none were identified in 2008, though a single 215 mm smolt, which could not be aged, was encountered (Figure 6).[5]

### ADULTS

Black Creek coho upstream migration is highly dependent on precipitation events to raise creek levels. Over the past five years, peak coho migration has occurred shortly after the first significant rainfalls (Van Will et al., 2010a and 2010b). Similarly, in 2008, while water temperature and water level conditions were not a barrier to fish migration throughout October, upstream migration was largely confined to a spike of fish (mostly jacks) in mid-October, followed by a large pulse of adults and jacks in early November, each associated with pulses in water levels due to precipitation (Figure 7).

[5] Two age 3 smolts were captured in each of 2001 and 2002; 5 fish were found in 2003; and 1 in 2005.

Though a healthy 57% of females and 46% of males were in good silver condition during upstream migration in 2008[6], over half of the males assessed at the fence, but only 35% of females, were "mature". It is unknown how this difference in maturity level, combined with a slight imbalance in the adult sex ratio (1.3 females per male), might impact reproductive success on the spawning grounds.

The CWT detection rate (5.3% of coho examined) was considerably lower than the 15.5% tag detection rate in 2007 (Van Will et al., 2010b), and 29% in 2006 (Van Will et al., 2010a), and may be indicative of a trend in long-term tagging mortality associated with CWT tagging operations.

High water levels in 2008 affected fence operations in early November, during which time an unknown number of adult coho escaped unexamined. This may be a source of error in the estimate of marine survival (Equation 8), since the escapement estimate ($E$) is based in part on the total number of CWTs detected. However, since this count is tallied in ratio to the total number of fish checked, which is also biased downward to an unknown degree, it is not possible to determine the level of error in $E$, if any.

Taylor and Baillie (in prep.) showed that inter-annual variation in the distribution of spawners amongst spawning ground sites is high, indicate that spawner distribution does not appear to be a function of run size or available spawner habitat, or related in any obvious way to variations in hydrologic conditions.

The continuing high T-bar tag loss rate (43%, compared to 46% in 2007, and 33% in 2006) in spawning ground recoveries of marked coho is likely due to the type of tag used and future work will review alternative tag options such as mono-filament lined spaghetti tags. However, tag loss would have little repercussion on the population estimate if the accompanying opercula punch was identified each case. However, 15 tagged carcasses were recovered without evidence of an operculum punch, likely inadvertently omitted during tagging operations. If it were not for the T-bar tag, these fish would not be considered part of the tagged set. Evidently, since either tag can be lost, there might be "marked" fish in the recoveries which have lost both marks. Thus, of the 51 fish that were found without marks, some proportion may have been marked. The inability to account for these missing marks would bias the estimated population size upwards by an unknown amount.

Another curiosity shows up in the male:female sex ratio of unmarked adult recoveries. Of the 51 unmarked coho carcasses recovered, a slight majority were males (male:female sex ratio of 1 : 0.8), while the sex ratio for marked carcass recoveries was nearly identical to the fence count ratio, which displayed a majority of females (1 : 1.3). This seems to suggest that unmarked females were disproportionately absent from the spawning ground recoveries, for unknown reasons that may be related to problems with recovery efforts,

[6] Compared to 20% of females and 1% of males in 2006 due to drought conditions (Van Will, 2010a).

## ESCAPEMENT ESTIMATION

The single-census Petersen hypergeometric and binomial mark-recapture estimators for adult coho population size were not significantly different from each other at the $\alpha$ = .05 level, being approximately 1,192 ± 50 fish.

The modal Bayesian population estimate was 1,120 adult coho with a 95% probability density of 1,056 – 1,217 fish.

Though Bayesian estimates have been consistently higher than single-census Petersen estimates since 2003 (Figure 12), in 2008 these estimates were not significantly different from each other at the $\alpha$ = 0.05 level,

Estimated 2008 adult escapement numbers (1,120) represent 28% of the escapement population size (4,065) in the contributing brood year of 2004, indicate a declining trend in spawner replacement (Figure 12).

Taylor and Baillie (in prep.) describe the potentials for bias in generating Bayesian population estimates due to differential rates of recapture of tagged versus untagged fish, tag loss, and/or unobserved migration. They found that the initial trend of increasing population size stabilized in the final sampling sequences after mid-November, following the dispersal of unmarked coho into the spawning sites. In 2008, all upstream migrants were enumerated at the fence until November 8$^{th}$; however, unobserved migrants after that date may be introducing some bias into the escapement estimate, and may thereby be affecting both marine survival and exploitation rates to some degree. In addition, the inability to account for missing marks would bias the estimated population size upwards by an unknown amount.

## EXPLOITATION RATE

Commercial fisheries in southern BC have been designed to avoid coho catches, and incidentally-caught coho cannot be retained. However, non-selective sport and commercial fisheries still exist from the central coast to Alaska and in Washington State. Retention of unmarked coho by sport fishermen is now permitted in some terminal areas on the west coast of Vancouver Island. Though few Black Creek coho have occurred in these areas historically, those that were caught go largely undetected since unmarked coho are typically not scanned for the presence of a CWT. The catch is assumed to be small; fishing mortality is assumed to consist entirely of release mortality in sport fisheries (10%).

Significant conservation measures initiated in 1997 have reduced fishing mortality on Black Creek coho. The exploitation rate estimate has averaged 4.3% since 1998, down from an average of 73% for the years 1986-1997. However, the regional estimate of 5.8% for Vancouver Island-based Georgia Strait coho suggests catch rates for Black Creek coho may have increased in 2008.

## MARINE SURVIVAL

Despite significant reductions in exploitation since 1998, Black Creek coho marine survival remains persistently suppressed at low levels, mirroring declines seen elsewhere in the Strait of Georgia basin (Figure 13). The 2008 marine survival

estimate of 0.76%, the lowest in recent record (1976-2008), highlights the continued challenge faced by Strait of Georgia coho stocks.

## RECOMMENDATIONS

This following recommendations arising out of this report may facilitate future Black Creek coho enumeration operations, data management, and analysis.

### JUVENILE ENUMERATION OPERATIONS

1. Estimates of long-term CWT tag loss have varied from 4.6 to 16.4% for return years prior to 2006, but should be reviewed for more recent broods. Include adipose fin-clipping or equivalent marking to facilitate assessment of long-term CWT tag loss. Long-term tag loss studies require independent groups of CWT'd smolts which do not overlap with short-term 24-hour tag loss smolt sets.
2. Trap box over-crowding during peak out-migration can result in pre-sample smolt mortality rates of up to 5% on a given date, and potentially delay or impact tagging operations if surviving fish are significantly stressed. Extra attention to trap management during peak migration periods may alleviate this unnecessary mortality.

### ADULT ENUMERATION OPERATIONS

1. Black Creek coho upstream migration is highly dependent on precipitation events to raise creek levels. However, precipitation is not measured. Nor is the time of day associated with temperature and water level readings recorded. It may be useful to install a data logger at the fence to monitor environmental conditions more accurately.
2. Though representing only 4% of scales taken, the majority of unreadable adult scales are due to field crew mounting the scales upside down. Since this failure level may introduce a disproportionate error factor in accurately determining age composition at low escapement levels, extra attention to scale sampling is advised.
3. High water levels in 2008 affected fence operations in early November, during which time an unknown number of adult coho escaped unexamined. This may lead to errors of unknown magnitude in the Bayesian escapement estimate and subsequent estimate of marine survival. To minimize untallied and un-sampled coho bypass events, extra efforts should be made to observe fish passage during high water periods, either through counting fence design modifications, or extra observer effort in response to precipitation forecasts.
4. Significant levels of tag loss identified over the last 3 years require future endeavors to look at other tag applications such as spaghetti tags to reduce this source of error.
5. Another potential source of bias in escapement estimation may be incurred by the loss of both tag and opercular punch holes from marked fish. It may be

useful to further mark the fish with an additional punch hole in the second operculum.

**SPAWN SURVEY OPERATIONS**

1. Obtain physical data from key spawning ground locations, including water temperature data and/or cross-sectional creek profiles, to ascertain whether temperature or bedload movement might be a factor in spawner distribution.

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## TABLES

Table 1. Environmental conditions during smolt fence operations, 2008.

| Date | Water Temp (°C) | Water Temp (°C) | Air Temp (°C) | Water Level (cm) | Weather | Comments |
|---|---|---|---|---|---|---|
| 1-Apr | 4.7 | 5.8 | 9.0 | 73 | Sunny | set trap at 1400hrs |
| 2-Apr | 5.3 | 5.8 | 9.5 | 73 | Sunny | caught 2 coho smolts and 1 cut good shape |
| 3-Apr | 5.6 | 5.9 | 8.5 | 73 | Cloudy | |
| 4-Apr | 6.2 | 5.9 | 8.6 | 74 | Rainy | |
| 5-Apr | 6.5 | 6.5 | 6.6 | 77 | Rainy | |
| 6-Apr | 6.3 | 6.2 | 7.6 | 97 | Rainy | high water pull top panels to relieve pressure |
| 7-Apr | 6.8 | 6.4 | 6.0 | 90 | Cloudy | |
| 8-Apr | 6.7 | 6.7 | 5.4 | 88 | Rainy | |
| 9-Apr | 6.0 | 5.9 | 5.7 | 88 | Sunny | |
| 10-Apr | 7.0 | 6.5 | 7.5 | 83 | Cloudy | |
| 11-Apr | 7.9 | 7.0 | 7.2 | 79 | Cloudy | Back to normal trapping |
| 12-Apr | 8.5 | 7.4 | 8.3 | 78 | Cloudy | |
| 13-Apr | 8.9 | 8.6 | 7.4 | 86 | Sunny | |
| 14-Apr | 8.7 | 8.4 | 8.3 | 74 | Sunny | |
| 15-Apr | 8.5 | 8.1 | 8.6 | 70 | Cloudy | |
| 16-Apr | 9.0 | 8.6 | 8.8 | 68 | Cloudy | |
| 17-Apr | 8.9 | 8.0 | 7.5 | 68 | Cloudy | |
| 18-Apr | 7.9 | 6.5 | 7.0 | 67 | Cloudy | |
| 19-Apr | 6.7 | 5.9 | 4.2 | 66 | Cloudy | |
| 20-Apr | 6.2 | 4.9 | 4.4 | 64 | Sunny | |
| 21-Apr | 6.2 | 5.4 | 4.4 | 64 | Sunny | |
| 22-Apr | 6.7 | 4.4 | 5.0 | 63 | Sunny | |
| 23-Apr | 7.8 | 8.4 | 8.0 | 61 | Sunny | |
| 24-Apr | 8.5 | 9.5 | 9.3 | 61 | Cloudy | |
| 25-Apr | 8.6 | 8.5 | 9.0 | 61 | Cloudy | |
| 26-Apr | 8.6 | 4.3 | 4.3 | 62 | Sunny | |
| 27-Apr | 9.5 | 8.6 | 8.6 | 63 | Rainy | |
| 28-Apr | 10.6 | 9.0 | 9.5 | 59 | Cloudy | |
| 29-Apr | 9.7 | 7.3 | 7.3 | 60 | Cloudy | |
| 30-Apr | 8.7 | 7.1 | 7.1 | 61 | Sunny | |
| 1-May | 8.8 | 8.0 | 9.0 | 62 | Sunny | |
| 2-May | 8.7 | 8.0 | 8.5 | 62 | Rainy | |
| 3-May | 10.5 | 9.0 | 7.8 | 64 | Cloudy | |
| 4-May | 10.6 | 8.8 | 8.3 | 64 | Sunny | |
| 5-May | 12.1 | 9.0 | 9.5 | 62 | Cloudy | |
| 6-May | 12.4 | 10.5 | 10.2 | 59 | Sunny | |
| 7-May | 11.6 | 9.7 | 9.5 | 57 | Sunny | |
| 8-May | 11.1 | 9.8 | 9.5 | 56 | Cloudy | |
| 9-May | 10.9 | 9.9 | 9.0 | 55 | Cloudy | |
| 10-May | 10.9 | 10.0 | 9.0 | 54 | Cloudy | |
| 11-May | 10.8 | 10.2 | 9.3 | 53 | Sunny | |
| 12-May | 9.8 | 8.8 | 9.9 | 52 | Sunny | |
| 13-May | 9.6 | 9.8 | 8.8 | 54 | Rainy | |
| 14-May | 10.0 | 9.9 | 10.4 | 57 | Rainy | |
| 15-May | 12.0 | 10.8 | 12.9 | 60 | Cloudy | |
| 16-May | 13.4 | 11.0 | 11.8 | 60 | Sunny | |
| 17-May | 14.9 | 12.7 | 12.0 | 60 | Sunny | |
| 18-May | 16.4 | 14.9 | 15.3 | 57 | Sunny | |
| 19-May | 15.4 | 15.6 | 14.8 | 56 | Rainy | |
| 20-May | 14.2 | 13.0 | 12.5 | 54 | Sunny | |

| Date | Water Temp (°C) | Water Temp (°C) | Air Temp (°C) | Water Level (cm) | Weather | Comments |
|---|---|---|---|---|---|---|
| 21-May | 13.5 | 12.6 | 12.1 | 53 | Sunny | |
| 22-May | 13.0 | 11.8 | 11.4 | 53 | Cloudy | |
| 23-May | 13.6 | 12.0 | 13.0 | 52 | Sunny | |
| 24-May | 15.7 | 12.1 | 16.0 | 51 | Sunny | dam up fence with tarps and sand bags |
| 25-May | 15.4 | 13.8 | 15.4 | 50 | Cloudy | |
| 26-May | 15.4 | 14.1 | 15.9 | 49.5 | Cloudy | |
| 27-May | 15.5 | 14.2 | 13.3 | 58 | Cloudy | water level up from rain |
| 28-May | 15.5 | 14.2 | 15.6 | 56 | Cloudy | |
| 29-May | 15.4 | 13.8 | 14.7 | 56 | Cloudy | lots of small fry |
| 30-May | 14.1 | 13.1 | 14.0 | 55 | Cloudy | |
| 31-May | 14.1 | 12.6 | 13.0 | 54 | Sunny | |
| 1-Jun | 14.0 | | | 54 | Cloudy | |
| 2-Jun | 13.8 | | | 53 | | |
| 3-Jun | 12.7 | | | 53 | | |
| 4-Jun | 13.4 | | | | | |

Table 2. Scale age composition of Black Creek coho smolts sampled at the juvenile weir, April 2 – May 26th, 2008. Fully aged fish.

| AGE COMPOSITION | | | | | |
|---|---|---|---|---|---|
| **Species** | **European** | **Gilbert-Rich** | **Brood Year** | **Frequency** | **Percent** |
| Coho | 1.0 | $2_2$ | 2006 | 318 | 74.5% |
| Coho | 2.0 | $3_3$ | 2005 | 109 | 25.5% |
| TOTALS | | | | 427 | 100.0% |

Table 3. Scale age composition of Black Creek coho smolts sampled at the juvenile weir, April 2 – May 26th, 2008. Partially aged or un-aged fish.

| PARTIAL AGES | | | | | |
|---|---|---|---|---|---|
| Coho | M0 | 0M | No Marine Annulus | 157 | 100.0% |
| TOTALS | | | | 157 | 100.0% |

| UNAGED | | | | | |
|---|---|---|---|---|---|
| Coho | | MF | Mixed Fish | 1 | 6.3% |
| Coho | | NS | No Structure | 5 | 31.3% |
| Coho | | UD | Upside Down scale | 10 | 62.5% |
| TOTALS | | | | 16 | 100.0% |

Table 4. Summary of coho smolt scale ages by sampling period, 2008.

| **Period** | **Statistic** | **Scale Age** | | | | |
|---|---|---|---|---|---|---|
| | | **N/A** | **1.0** | **2.0** | **M0** | **Grand Total** |
| Period 1: Apr 2-20 | Count | 5 | 9 | 31 | 5 | 50 |
| | Percent | 10% | 20% | 60% | 10% | 100% |
| Period 2: Apr 20 - May 5 | Count | 3 | 33 | 49 | 15 | 100 |
| | Percent | 3% | 33% | 49% | 15% | 100% |
| Period 3: May 5 – 16 | Count | 0 | 192 | 26 | 82 | 300 |
| | Percent | 0% | 64% | 9% | 27% | 100% |
| Period 4: May 16-26 | Count | 8 | 84 | 3 | 55 | 150 |
| | Percent | 5% | 56% | 2% | 37% | 100% |
| **Total Count** | | **16** | **318** | **109** | **157** | **600** |
| **Total Percent** | | **2%** | **53%** | **18%** | **27%** | **100%** |

Table 5. Summary of 2008 length (mm) and weight (g) at age of coho smolts.

| Statistic | Smolt Age | | | | |
|---|---|---|---|---|---|
| | 1 | 2 | M0 | N/A | All |
| Count | 318 | 109 | 157 | 16 | 600 |
| Percent | 74.5% | 25.5% | - | - | 100% |
| **Lengths** | 317 | 109 | 157 | 16 | 599 |
| Min Length | 90 | 105 | 85 | 95 | 85 |
| Mean Length | 119 | 160 | 123 | 130 | 128 |
| Max Length | 180 | 255 | 215 | 185 | 255 |
| SD Length | 14 | 26 | 19 | 30 | 24 |
| **Weights** | 274 | 29 | 137 | 8 | 448 |
| Min Weight | 6.9 | 10.1 | 8.0 | 9.2 | 6.9 |
| Mean Weight | 16.7 | 21.5 | 17.6 | 13.0 | 17.3 |
| Max Weight | 40.4 | 48.0 | 87.5 | 17.1 | 87.5 |
| SD Weight | 6.0 | 8.0 | 8.3 | 2.7 | 7.0 |

Table 6. Length frequency of coho smolts by period, 2008.

| Fork Length (mm) | Period 1 | Period 2 | Period 3 | Period 4 | Total |
|---|---|---|---|---|---|
| 070 - 074 | 1 | | | | 1 |
| 080 - 084 | 1 | | | | 1 |
| 085 - 089 | | | | 1 | 1 |
| 090 - 094 | | | 1 | 2 | 3 |
| 095 - 099 | 1 | | | 1 | 2 |
| 100 - 104 | | 2 | 1 | 2 | 5 |
| 105 - 109 | 1 | 1 | 2 | 3 | 7 |
| 110 - 114 | 1 | 3 | 1 | 17 | 22 |
| 115 - 119 | 2 | 3 | 5 | 14 | 24 |
| 120 - 124 | 5 | 5 | 12 | 14 | 36 |
| 125 - 129 | 3 | 7 | 23 | 12 | 45 |
| 130 - 134 | 5 | 16 | 19 | 2 | 42 |
| 135 - 139 | 2 | 8 | 11 | 5 | 26 |
| 140 - 144 | 4 | 5 | 5 | 14 | 28 |
| 145 - 149 | 3 | 3 | 4 | 5 | 15 |
| 150 - 154 | 1 | | 3 | 4 | 8 |
| 155 - 159 | | 3 | 1 | 2 | 6 |
| 160 - 164 | 7 | 8 | 1 | 1 | 17 |
| 165 - 169 | 12 | 4 | 4 | | 20 |
| 170 - 174 | 15 | 13 | 3 | 1 | 32 |
| 175 - 179 | 11 | 5 | 1 | | 17 |
| 180 - 184 | 13 | 6 | | | 19 |
| 185 - 189 | 7 | 5 | 1 | | 13 |
| 190 - 194 | 4 | 2 | 1 | | 7 |
| 195 - 199 | 1 | | | | 1 |
| > 200 | | 1 | | | 1 |
| **All** | **100** | **100** | **100** | **100** | **400** |

Table 7. Size statistics for coho smolts by sampling period, 2008.

| | | Fork Length (mm) | | | | Fresh Weight (g) | | | |
|---|---|---|---|---|---|---|---|---|---|
| Period | N | Min | Mean | Max | Mode | Min | Mean | Max | Std |
| 1 | 100 | 70 | 159.5 | 195 | 170-174 | 4.9 | 38.1 | 76.3 | 17.4 |
| 2 | 100 | 101 | 148.5 | 200 | 130-134 | 13.0 | 35.0 | 77.6 | 15.0 |
| 3 | 100 | 92 | 135.0 | 255 | 125-129 | 11.0 | 28.5 | 155.3 | 16.7 |
| 4 | 100 | 85 | 124.5 | 170 | 110-114 | 7.3 | 21.2 | 49.9 | 7.8 |
| **ALL** | **400** | **70** | **141.9** | **255** | **125-129** | **4.9** | **30.7** | **155.3** | **16.1** |

Table 8. Summary of catches and coded-wire tag releases of coho smolts by tag series and sampling date, 2008.

| Date | CWT Code | Pre-Morts | Number Tagged | Post Morts | Unmarked Releases | Pin Retention Test Fish | Number of Non-Retentions | 24 hr Tag Loss | Effective CWTs | No pin fish | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 18-Apr | 18-59-40 | 0 | 9 | 0 | | | | | 9 | 0 | |
| 21-Apr | 18-59-40 | 0 | 15 | 0 | | | | | 15 | 0 | |
| 25-Apr | 18-59-40 | 0 | 62 | 0 | | | | | 61 | 1 | |
| 28-Apr | 18-59-40 | 0 | 123 | 0 | | | | | 121 | 2 | |
| 29-Apr | 18-59-40 | 0 | 120 | 0 | | | | | 118 | 2 | |
| 1-May | 18-59-40 | 0 | 395 | 0 | | 83 | 1 | 1.2% | 389 | 6 | first 24-hr retention test |
| 2-May | 18-59-40 | 0 | 422 | 0 | | | | | 416 | 6 | |
| 3-May | 18-59-40 | 0 | | 0 | | | | | 0 | 0 | |
| 4-May | 18-59-40 | 0 | | 0 | | | | | 0 | 0 | |
| 5-May | 18-59-40 | 486 | 31 | 0 | | | | | 31 | 0 | |
| 6-May | 18-59-40 | 0 | 1,164 | 0 | | | | | 1,146 | 18 | |
| 7-May | 18-59-40 | 0 | 1,083 | 0 | | 100 | 2 | 2.0% | 1,066 | 17 | 2nd 24-hr retention test |
| 8-May | 18-59-40 | 2 | 1,216 | 0 | | | | | 1,197 | 19 | |
| 9-May | 18-59-40 | 0 | 1,105 | 0 | | | | | 1,088 | 17 | 5,745 CWT on 18-59-40 |
| 9-May | 18-59-41 | 0 | 43 | 0 | | | | | 42 | 1 | |
| 10-May | 18-59-41 | 0 | 843 | 0 | | 100 | 1 | 1.0% | 830 | 13 | 3rd 24-hr retention test |
| 11-May | 18-59-41 | 0 | 95 | 0 | | | | | 94 | 1 | |
| 16-May | 18-59-41 | 0 | 1,088 | 0 | | | | | 1,071 | 17 | |
| 17-May | 18-59-41 | 0 | 1,141 | 0 | | | | | 1,124 | 17 | |
| 20-May | 18-59-41 | 0 | 1,027 | 0 | | 100 | 2 | 2.0% | 1,011 | 16 | 4th 24-hr retention test |
| 31-May | 18-59-41 | 0 | 348 | 0 | | | | | 343 | 5 | |
| 1-Jun | 18-59-41 | 0 | 98 | 0 | | | | | 97 | 1 | 4,683 CWT on 18-59-41 |
| TOTALS | | 499 | 10,428 | 2 | 23,773 | 383 | 6 | 1.5% | 10,269 | 159 | |

Table 9. Daily upstream migration through the adult counting fence, 2008.

| Date | Coho | | | Chum | Chin-ook | Cut-throat | Other | Comment |
|---|---|---|---|---|---|---|---|---|
| | Adults | Jacks | Unknown | | | | | |
| 07-Oct | 9 | 17 | | 0 | 0 | 0 | | |
| 08-Oct | 0 | 1 | | 0 | 0 | 1 | | |
| 09-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 10-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 11-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 12-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 13-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 14-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 15-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 16-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 17-Oct | 63 | 133 | | 0 | 0 | 16 | | |
| 18-Oct | 3 | 0 | | 0 | 0 | 0 | | |
| 19-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 20-Oct | 0 | 0 | | 1 | 0 | 0 | | |
| 21-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 22-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 23-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 24-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 25-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 26-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 27-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 28-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 29-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 30-Oct | 0 | 0 | | 0 | 0 | 0 | | |
| 31-Oct | 109 | 86 | 1 | 3 | 0 | 7 | | |
| 01-Nov | 140 | 62 | | 1 | 0 | 2 | | |
| 02-Nov | 220 | 20 | | 0 | 0 | 0 | | |
| 03-Nov | 185 | 6 | | 0 | 0 | 0 | | |
| 04-Nov | 29 | 0 | | 0 | 0 | 0 | | |
| 05-Nov | 4 | 0 | | 0 | 0 | 0 | | |
| 06-Nov | 20 | 12 | | 2 | 1 | 0 | | |
| 07-Nov | 21 | 36 | 1 | 0 | 0 | 1 | | |
| 08-Nov | 20 | 4 | 16 | 0 | 0 | 0 | | 16 coho not sampled |
| 09-Nov | 34 | 19 | | 0 | 0 | 0 | | 2 panels open over night |
| 10-Nov | 21 | 35 | | 1 | 0 | 0 | | |
| 11-Nov | 12 | 5 | 1 | 0 | 0 | 5 | | |
| 12-Nov | 5 | 7 | | 0 | 0 | 0 | | |
| 13-Nov | 3 | 1 | | 1 | 0 | 0 | | |
| 14-Nov | 0 | 0 | | 0 | 0 | 0 | | |
| 15-Nov | 0 | 0 | | 0 | 0 | 0 | | |
| 16-Nov | 0 | 0 | | 0 | 0 | 0 | | |
| **TOTAL** | **891** | **444** | **19** | **9** | **1** | **32** | **0** | **TOTAL COHO: 1,354<br>TOTAL FISH: 1,396** |

Table 10. Relative condition of maturity of Black Creek coho as assessed subjectively at the counting fence, 2008.

| Condition | Females | Males | Jacks | Unknown | All |
|---|---|---|---|---|---|
| Silver | 38 | 11 | 47 | | 96 |
| Green | 287 | 179 | 343 | 1 | 810 |
| Mature | 175 | 201 | 53 | | 429 |
| Ripe | 0 | 0 | 0 | | 0 |
| Unknown | | | 1 | 18 | 19 |
| **Total** | **500** | **391** | **444** | **19** | **1,354** |

Table 11. Summary of coho adult scale ages.

| Period | Data | Scale Age | | | | | Grand Total |
|---|---|---|---|---|---|---|---|
| | | 1.1 | 2.1 | M1[7] | RG[8] | UD[9] | |
| Oct 7 – Nov 10 | Count | 38 | 5 | 41 | 1 | 4 | 89 |
| | Percent of Scales | 43% | 6% | 46% | 1% | 4% | 100% |
| | Pct of Fully Aged Scales | **88%** | **12%** | | | | 100% |

Table 12. Age and sex composition for adult coho, 2008.

| Sex | Statistic | 1.1 | 2.1 | Grand Total |
|---|---|---|---|---|
| F | Count | 23 | 5 | 28 |
| | Percent | 53.5% | 11.6% | 65.1% |
| M | Count | 15 | 0 | 15 |
| | Percent | 34.9% | 0.0% | 34.9% |
| **Total Count** | | **38** | **5** | **43** |
| **Total Percent** | | **88.4%** | **11.6%** | **100%** |

[7] 1 marine annulus.
[8] Regenerated.
[9] Upside-down.

Table 13. Fork length (cm) frequency distribution data for adult and jack coho[10], 2008.

| Fork Length Range (cm) | Females | Males | Jacks | Total |
|---|---|---|---|---|
| 11 to 15 | 0 | 0 | 0 | 0 |
| 16 to 20 | 0 | 0 | 0 | 0 |
| 21 to 25 | 0 | 0 | 4 | 4 |
| 26 to 30 | 0 | 0 | 97 | 97 |
| 31 to 35 | 0 | 0 | 172 | 172 |
| 36 to 40 | 1 | 0 | 157 | 158 |
| 41 to 45 | 1 | 0 | 14 | 15 |
| 46 to 50 | 3 | 1 | 0 | 4 |
| 51 to 55 | 11 | 3 | 0 | 14 |
| 56 to 60 | 24 | 14 | 0 | 38 |
| 61 to 65 | 49 | 19 | 0 | 68 |
| 66 to 70 | 109 | 53 | 0 | 161 |
| 71 to 75 | 173 | 89 | 0 | 262 |
| 76 to 80 | 112 | 124 | 0 | 236 |
| 81 to 85 | 17 | 75 | 0 | 92 |
| 86 to 90 | 0 | 12 | 0 | 12 |
| 91 to 95 | 0 | 0 | 0 | 0 |
| 96 to 100 | 0 | 0 | 0 | 0 |
| **Total** | **500** | **390** | **444** | **1,334** |

Table 14. Statistical summary of fork length (cm) data for adult and jack coho[11], 2008.

| Statistic | Females | Males | Jacks | Unknown | All |
|---|---|---|---|---|---|
| Count | 500 | 390 | 444 | 3 | 1,337 |
| Minimum | 40.0 | 49.0 | 24.0 | 61.0 | 24.0 |
| **Mean** | **71.1** | **75.0** | **33.9** | **61.0** | **59.8** |
| Maximum | 84.0 | 89.0 | 43.0 | 61.0 | 89.0 |
| Std Deviation | 6.7 | 6.9 | 4.0 | - | 19.4 |

Table 15. Length-at-age for aged adult coho, 2008.

| Sex | Fork Length (cm) | 1.1 | 2.1 | All Ages |
|---|---|---|---|---|
| F | Count | 23 | 5 | 28 |
| | **Mean** | **68.6** | **74.2** | **69.6** |
| | Std Deviation | 6.6 | 3.3 | 6.5 |
| M | Count | 15 | 0 | 15 |
| | **Mean** | **71.2** | | **71.2** |
| | Std Deviation | 12.4 | | 12.4 |
| Total Count | | 38 | 5 | 43 |
| **Overall Average** | | **69.6** | **74.2** | **70.2** |
| Standard Deviation | | 9.3 | 3.3 | 8.9 |

[10] Excludes sixteen un-sampled coho, three un-sexed coho, and one un-sized male coho.
[11] Excludes sixteen un-sampled coho, one un-sized male coho.

Table 16. Summary of coded-wire tag detections during coho movement through the counting fence, 2008.

| Sex | CWT present | CWT absent | Not checked[12] | Total |
|---|---|---|---|---|
| F | 35 | 455 | 10 | 500 |
| M | 23 | 357 | 11 | 391 |
| J | 8 | 369 | 67 | 444 |
| Unknown | 0 | 1 | 18 | 19 |
| **Total** | **66** | **1,182** | **106** | **1,354** |

Table 17. Summary of coho adult and jack tag operations at the counting fence, 2008.

| | Females | Males | Jacks | Unknown | All |
|---|---|---|---|---|---|
| Captured | **500** | **391** | **444** | **19** | **1,354** |
| Not Tagged | 5 | 6 | 442 | 19 | 472 |
| Clear Tags | 101 | 59 | 0 | 0 | 160 |
| Yellow Tags | 394 | 326 | 2 | 0 | 722 |
| Total Tags | **495** | **385** | **2** | **0** | **882** |

Table 18. Summary of recoveries of coho from spawning ground sampling sites, 2008.

| Reach (#) & Location Found | Unmarked | | | | | Marked | | | | Total |
|---|---|---|---|---|---|---|---|---|---|---|
| | F | J | M | Unk | Total | F | M | Unk | Total | |
| (1) Above Fence | | | | | | 2 | | | 2 | 2 |
| (1) Below Fence | 5 | 1 | 4 | | 10 | | | | | 10 |
| (2) Below Hwy. | | | | | | 2 | | | 2 | 2 |
| (3) Above Hwy. | | | | | | 1 | 1 | | 2 | 2 |
| (3) Kelland Bridge | 1 | | 1 | | 2 | | | | | 2 |
| (4) Below Isl. Hwy. | 1 | | | | 1 | | | | | 1 |
| (4) Keddy Creek | | | 2 | | 2 | 1 | 1 | | 2 | 4 |
| (5) Above new Hwy. | | | | | | 1 | | 1 | 2 | 2 |
| (5) Miller Creek | 1 | | | | 1 | 1 | | | 1 | 2 |
| (5) Sayer Creek | | | | | | 1 | 2 | | 3 | 3 |
| (7) Logging bridge to new Hwy & below Duncan Bay Main Bridge | | | | | | 2 | 3 | | 5 | 5 |
| (8) Below Logging Bridge | | | 4 | | 4 | | | | | 4 |
| (8) Bottom Fork | | 1 | | | 1 | 5 | 3 | | 8 | 9 |
| (8) Duncan Bay Main Bridge | | | | | | 2 | 4 | | 6 | 6 |
| Unspecified | 12 | 3 | 13 | 2 | 30 | 62 | 48 | | 110 | 140 |
| **Grand Total** | **20** | **5** | **24** | **2** | **51** | **80** | **62** | **1** | **143** | **194** |

[12] Some fish were not examined for CWT tags at the fence.

Table 19. Summary of adult coho recoveries by date, sex, and mark presence (N=No, Y=Yes) on the Black Creek watershed spawning grounds, 2008.

| Date | Females | | | Males | | | Jacks | Sex Unknown | | | Grand Total |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | N | Y | Total | N | Y | Total | N | N | Y | Total | |
| 14-Nov-08 | | 6 | 6 | | 6 | 6 | 1 | | | | 13 |
| 15-Nov-08 | | 2 | 2 | | 3 | 3 | | | | | 5 |
| 16-Nov-08 | 2 | 10 | 12 | 5 | 10 | 15 | 1 | 2 | | 2 | 30 |
| 17-Nov-08 | | 3 | 3 | | 1 | 1 | | | | | 4 |
| 18-Nov-08 | | 2 | 2 | | 3 | 3 | | | | | 5 |
| 19-Nov-08 | 3 | 3 | 6 | 2 | | 2 | 1 | | | | 9 |
| 20-Nov-08 | 1 | 8 | 9 | 2 | 3 | 5 | 1 | | | | 15 |
| 21-Nov-08 | 1 | 1 | 2 | 2 | | 2 | | | | | 4 |
| 22-Nov-08 | 1 | | 1 | | 1 | 1 | | | | | 2 |
| 23-Nov-08 | 6 | 5 | 11 | 7 | 4 | 11 | | | | | 22 |
| 24-Nov-08 | 3 | 10 | 13 | 1 | 10 | 11 | 1 | | | | 25 |
| 25-Nov-08 | | 5 | 5 | 2 | 2 | 4 | | | | | 9 |
| 26-Nov-08 | 2 | 6 | 8 | 1 | 6 | 7 | | | | | 15 |
| 28-Nov-08 | | 6 | 6 | | 2 | 2 | | | | | 8 |
| 30-Nov-08 | | 1 | 1 | | | | | | 1 | 1 | 2 |
| 1-Dec-08 | | 2 | 2 | | 3 | 3 | | | | | 5 |
| 3-Dec-08 | | 2 | 2 | 1 | 2 | 3 | | | | | 5 |
| 4-Dec-08 | 1 | 1 | 2 | | | | | | | | 2 |
| 5-Dec-08 | | 2 | 2 | 1 | 2 | 3 | | | | | 5 |
| 6-Dec-08 | | 2 | 2 | | 4 | 4 | | | | | 6 |
| 8-Dec-08 | | 3 | 3 | | | | | | | | 3 |
| **Total** | **20** | **80** | **100** | **24** | **62** | **86** | **5** | **2** | **1** | **3** | **194** |

Table 20. Mark application and recovery by sex for the 2008 Black Creek coho escapement, comparing recovery rates for T-bar tagged versus left opercular-punched fish.

| Sex | Marks Applied | | Marks Recovered | | | % Recovery | | |
|---|---|---|---|---|---|---|---|---|
| | T-Bar[13] | L-Punch | T-Bar | L-Punch[14] | Marked[15] | T-Bar | L-Punch | Marked |
| M | 385 | 385 | 35 | 56 | 62 | 9.1% | 14.5% | 16.1% |
| F | 495 | 495 | 46 | 71 | 80 | 9.3% | 14.3% | 16.2% |
| J | 2 | 2 | 0 | 0 | 0 | 0.0% | 0.0% | 0.0% |
| Unknown Adult[16] | 0 | 0 | 0 | 1 | 1 | 0.0% | 0.1% | 0.7% |
| **Total Adult** | **880** | **880** | **81** | **128** | **143** | **9.2%** | **14.5%** | **16.3%** |

[13] All fish caught at the fence had a T-Bar tag applied and a left opercular hole-punch.
[14] Recoveries with left opercular punch only (no T-Bar tag).
[15] All fish marked with either T-bar tag or left opercular punch.
[16] Sex was not determined or reported.

Table 21. Petersen mark/recapture escapement estimation based on Black Creek adult coho marked fish and recoveries.

| Adults | |
|---|---|
| Marks | 880 |
| Captures | 194 |
| Recoveries | 143 |
| R/C | 74% |

| Petersen Pop Estimator | Pop | Var | Std Dev |
|---|---|---|---|
| Hypergeometric | 1,192.02 | 2,162.52 | 46.50 |
| Binomial | 1,191.67 | 2,561.40 | 50.61 |
| Inverse Hypergeometric | 1,194.20 | | |
| Inverse Binomial | 1,193.85 | 2601.972 | 51.01 |

Table 22. Black Creek adult coho marks and recoveries, by date of recapture, for Bayesian escapement population estimation.

| Date | Time Interval (T) | Catch (C) | Marks Available (M) | Recovered Marks (R) |
|---|---|---|---|---|
| 14-Nov-08 | 1 | 13 | 880 | 12 |
| 15-Nov-08 | 2 | 5 | 868 | 5 |
| 16-Nov-08 | 3 | 30 | 863 | 20 |
| 17-Nov-08 | 4 | 4 | 843 | 4 |
| 18-Nov-08 | 5 | 5 | 839 | 5 |
| 19-Nov-08 | 6 | 9 | 834 | 3 |
| 20-Nov-08 | 7 | 15 | 831 | 11 |
| 21-Nov-08 | 8 | 4 | 820 | 1 |
| 22-Nov-08 | 9 | 2 | 819 | 1 |
| 23-Nov-08 | 10 | 22 | 818 | 9 |
| 24-Nov-08 | 11 | 25 | 809 | 20 |
| 25-Nov-08 | 12 | 9 | 789 | 7 |
| 26-Nov-08 | 13 | 15 | 782 | 12 |
| 27-Nov-08 | 14 | 0 | 770 | 0 |
| 28-Nov-08 | 15 | 8 | 770 | 8 |
| 29-Nov-08 | 16 | 0 | 762 | 0 |
| 30-Nov-08 | 17 | 2 | 762 | 2 |
| 1-Dec-08 | 18 | 5 | 760 | 5 |
| 2-Dec-08 | 19 | 0 | 755 | 0 |
| 3-Dec-08 | 20 | 5 | 755 | 4 |
| 4-Dec-08 | 21 | 2 | 751 | 1 |
| 5-Dec-08 | 22 | 5 | 750 | 4 |
| 6-Dec-08 | 23 | 6 | 746 | 6 |
| 7-Dec-08 | 24 | 0 | 740 | 0 |
| 8-Dec-08 | 25 | 3 | 740 | 3 |
| Total | | 194 | | 143 |

Table 23. Bayesian posterior probability distribution statistics for Black Creek adult coho population estimate, 2008.

Weighted Moments

| | | | |
|---|---|---|---|
| N | 1001 | Sum Weights | 0.99999965 |
| Mean | 1130.60984 | Sum Observations | 1130.60944 |
| Std Deviation | 1.55567555 | Variance | 2.42012641 |
| Skewness | 0.07232002 | Kurtosis | -0.8513676 |
| Uncorrected SS | 1280698.28 | Corrected SS | 2420.12641 |
| Coeff Variation | 0.13759614 | Std Error Mean | 1.55567582 |

Weighted Basic Statistical Measures

| Location | | Variability | |
|---|---|---|---|
| Mean | 1130.610 | Std Deviation | 1.55568 |
| Median | 1127.000 | Variance | 2.42013 |
| Mode | . | Range | 500.00000 |
| | | Interquartile Range | 65.50000 |

Weighted Tests for Location: Mu0=0

| Test | -Statistic- | | -----p Value------ |
|---|---|---|---|
| Student's t | t 726.7644 | Pr > \|t\| | <.0001 |

Weighted Quantiles

| Quantile | Estimate |
|---|---|
| 100% Max | 1500.0 |
| 99% | 1260.5 |
| 95% | 1217.0 |
| 90% | 1195.5 |
| 75% Q3 | 1161.5 |
| 50% Median | 1127.0 |
| 25% Q1 | 1096.0 |
| 10% | 1070.0 |
| 5% | 1056.0 |
| 1% | 1031.5 |
| 0% Min | 1000.0 |

Extreme Observations

| -----Lowest----- | | -----Highest---- | |
|---|---|---|---|
| Value | Obs | Value | Obs |
| 1000.0 | 24025 | 1498.0 | 25021 |
| 1000.5 | 24026 | 1498.5 | 25022 |
| 1001.0 | 24027 | 1499.0 | 25023 |
| 1001.5 | 24028 | 1499.5 | 25024 |
| 1002.0 | 24029 | 1500.0 | 25025 |

Table 24. Estimated marine survival and associated exploitation rate in marine fisheries, 1976-2008.

| Return Year | Smolt to Adult Survival Rate | Exploitation Rate |
|---|---|---|
| 1976 | 0.190[1] | 0.915[2] |
| 1977 | 0.198[1] | 0.836[2] |
| 1978 - 1985 | - | - |
| 1986 | 0.125 | 0.727 |
| 1987 | 0.115 | 0.847 |
| 1988 | 0.134 | 0.676 |
| 1989 | 0.115 | 0.697 |
| 1990 | 0.129 | 0.713 |
| 1991 | 0.080 | 0.677 |
| 1992 | 0.125 | 0.767 |
| 1993 | 0.054 | 0.739 |
| 1994 | 0.059 | 0.790 |
| 1995 | 0.045 | 0.567 |
| 1996 | 0.034 | 0.703 |
| 1997 | 0.049 | 0.541 |
| 1998 | 0.045 | 0.030 |
| 1999 | 0.017 | 0.030 |
| 2000 | 0.022 | 0.030 |
| 2001 | 0.074 | 0.046 |
| 2002 | 0.049 | 0.059 |
| 2003 | 0.030 | 0.043 |
| 2004 | 0.044 | 0.043 |
| 2005 | 0.013 | 0.044 |
| 2006 | 0.015 | 0.044 |
| 2007 | 0.026 | 0.042 |
| 2008 | 0.008 | 0.058 |

[1] Probable under-estimate due to probable under-estimate of escapement.
[2] Probable over-estimate due to probable under-estimate of escapement

## FIGURES

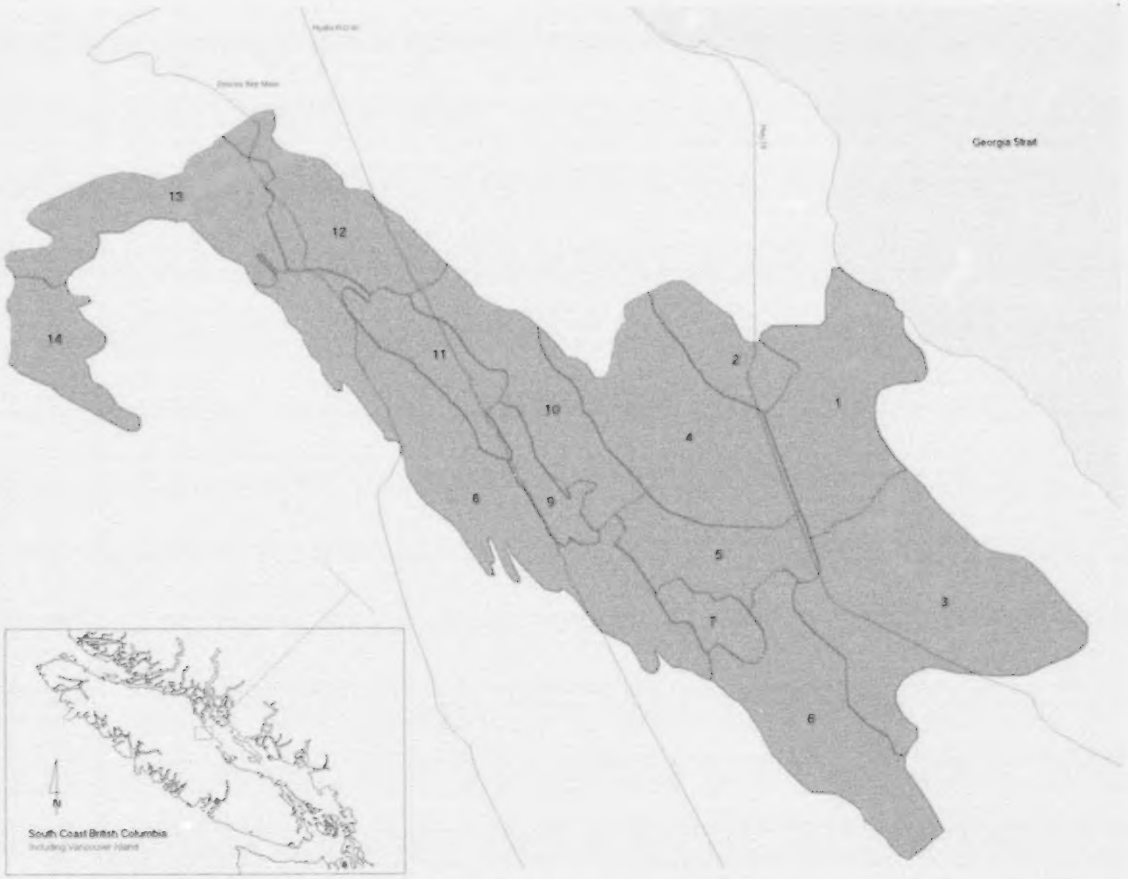


Figure 1. The Black Creek watershed and sub-basin boundaries (after Brown et al. 1999).

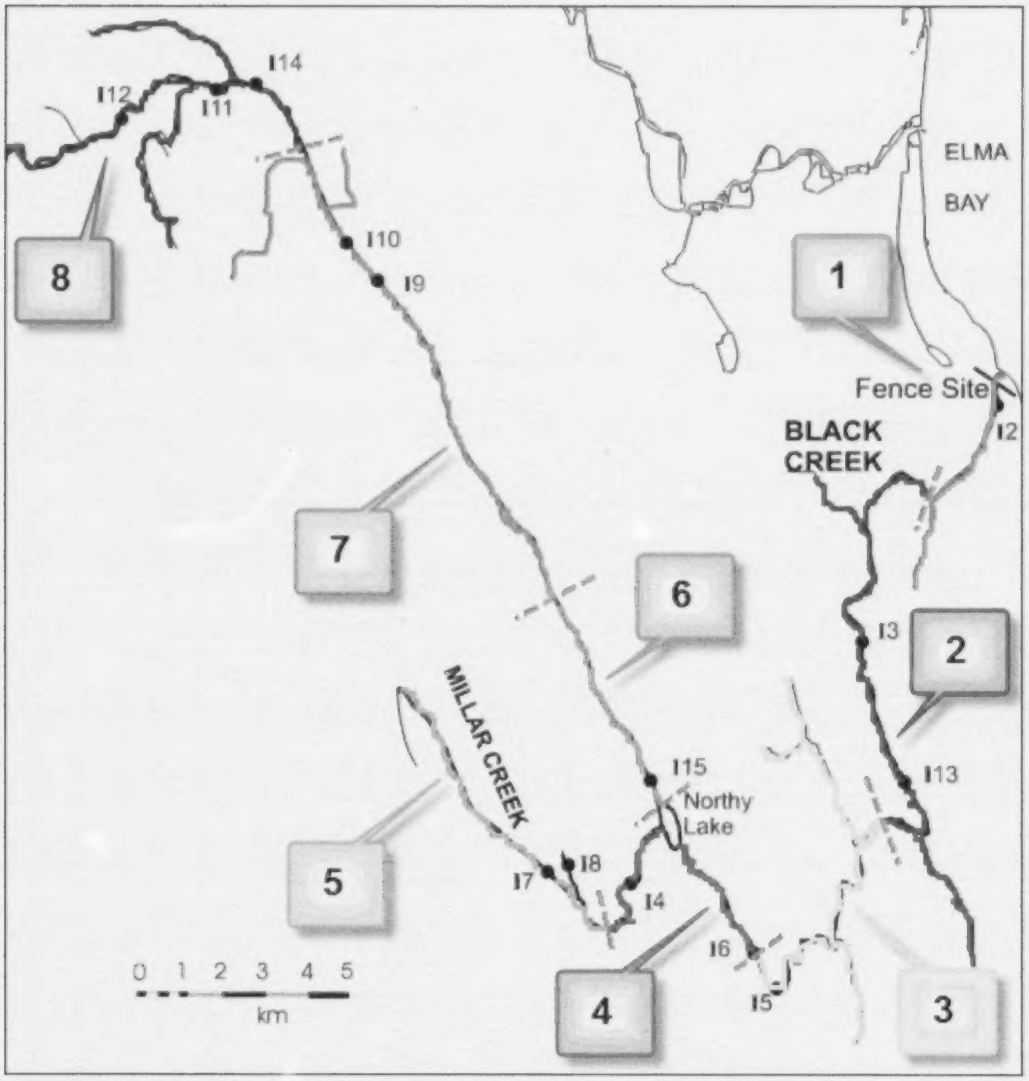


Figure 2. The Black Creek system, showing the locations of the fence and recovery sampling sites, by reach.

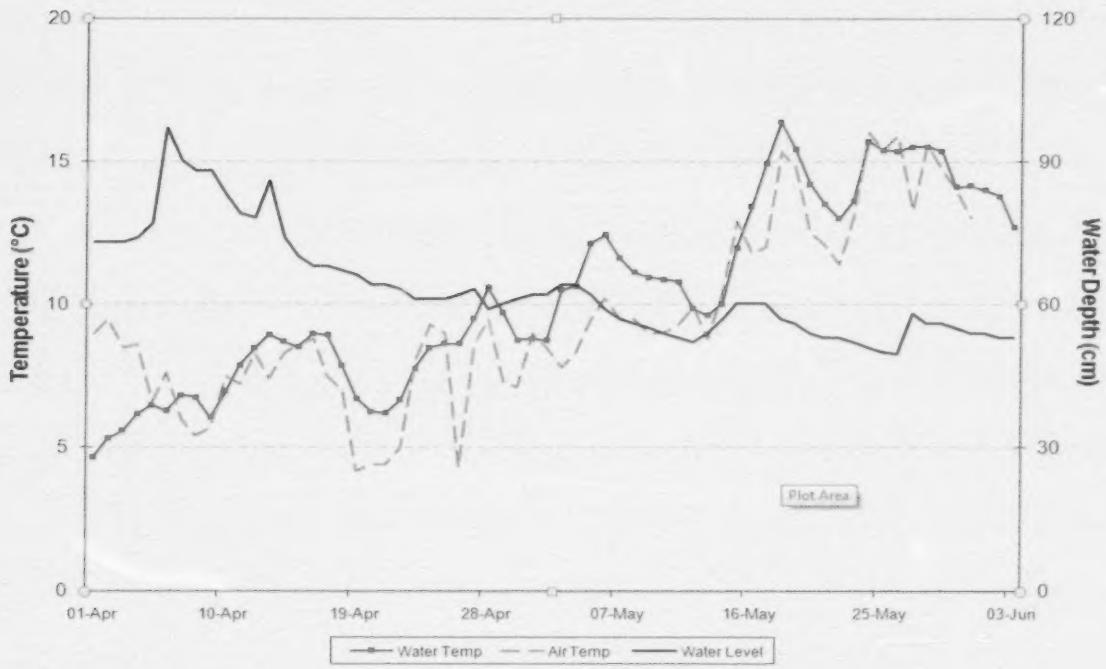


Figure 3. Black Creek water level and temperature during the 2008 smolt outmigration period.

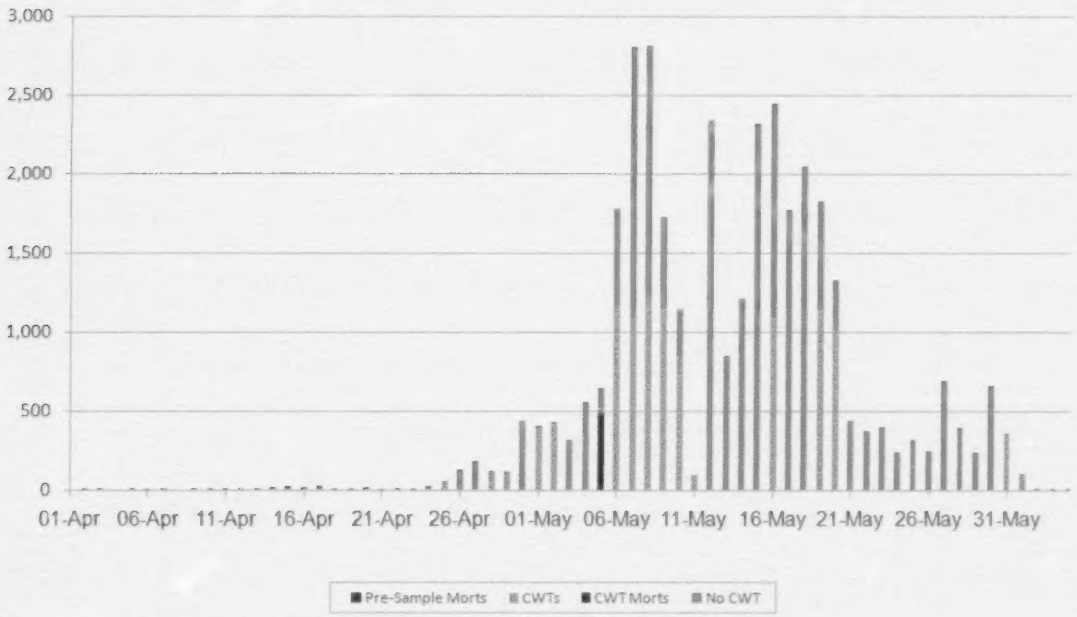


Figure 4. 2008 Black Creek daily coho smolt out-migration.

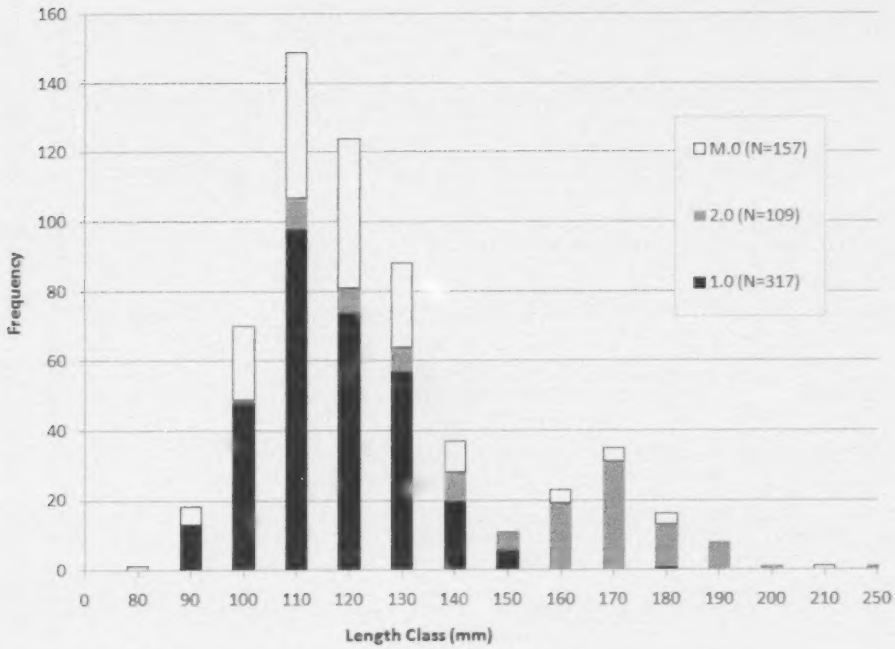


Figure 5. Smolt length frequency by age class (N=583). X-axis value represents low end of category (e.g., Length Class "100" represents fish 100-109 mm).

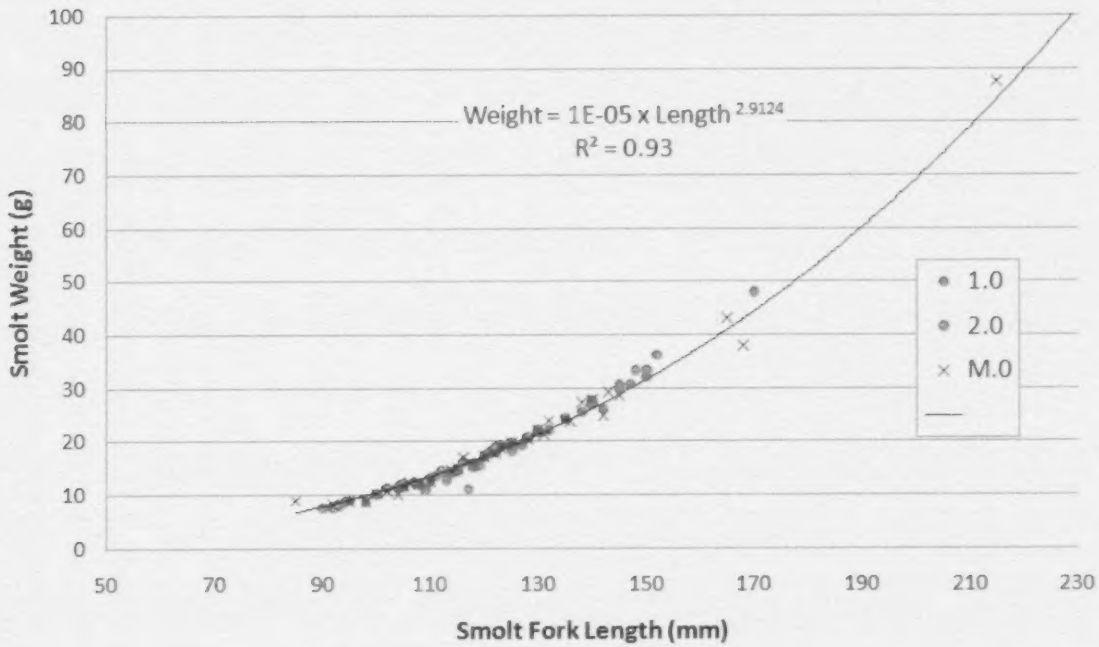


Figure 6. Black Creek coho smolts length-weight relationship, (N = 448).

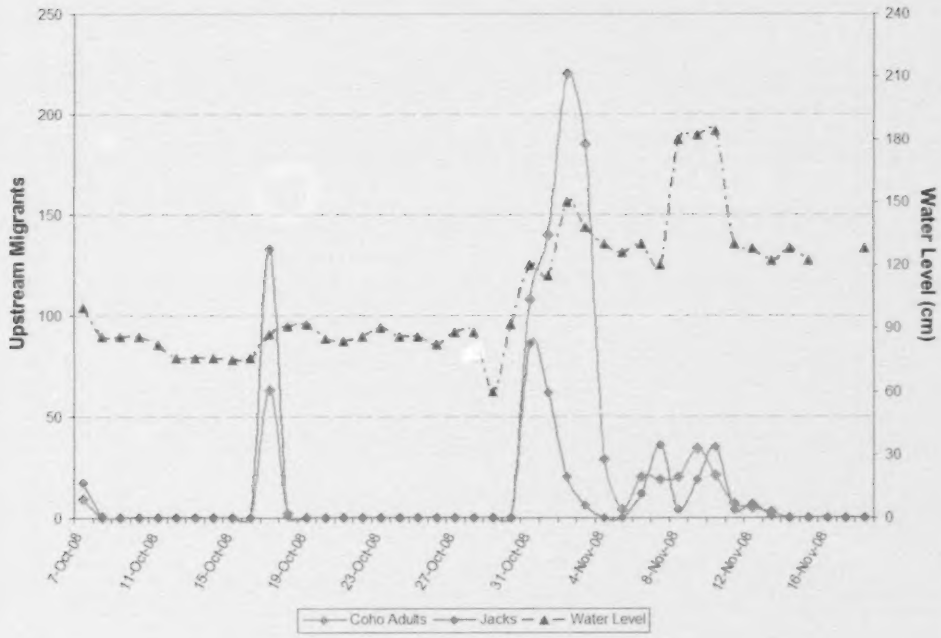


Figure 7. Adult and jack coho escapement and corresponding water levels, 2008.

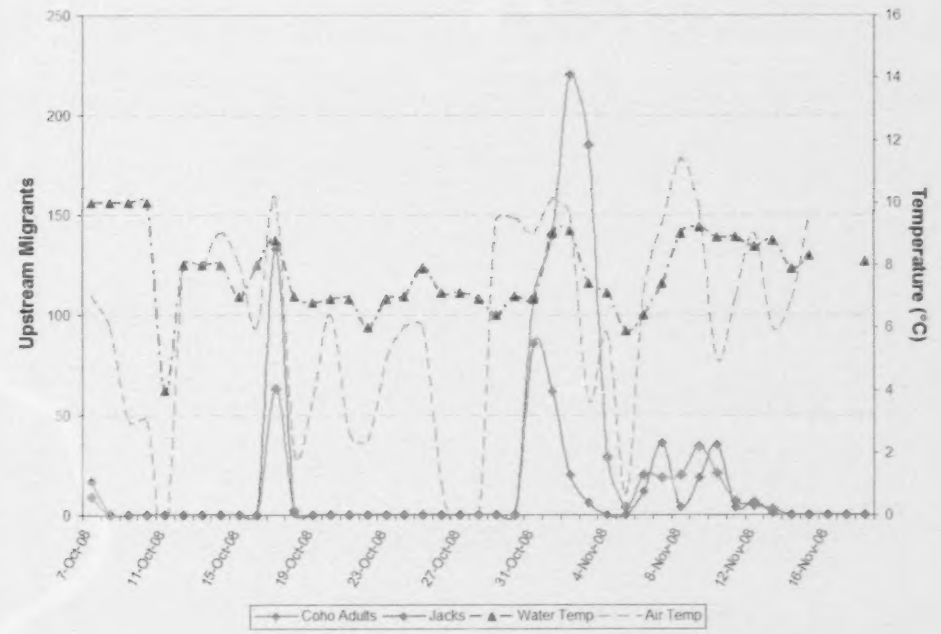


Figure 8. Air and water temperature time-series during adult migration period, 2008.

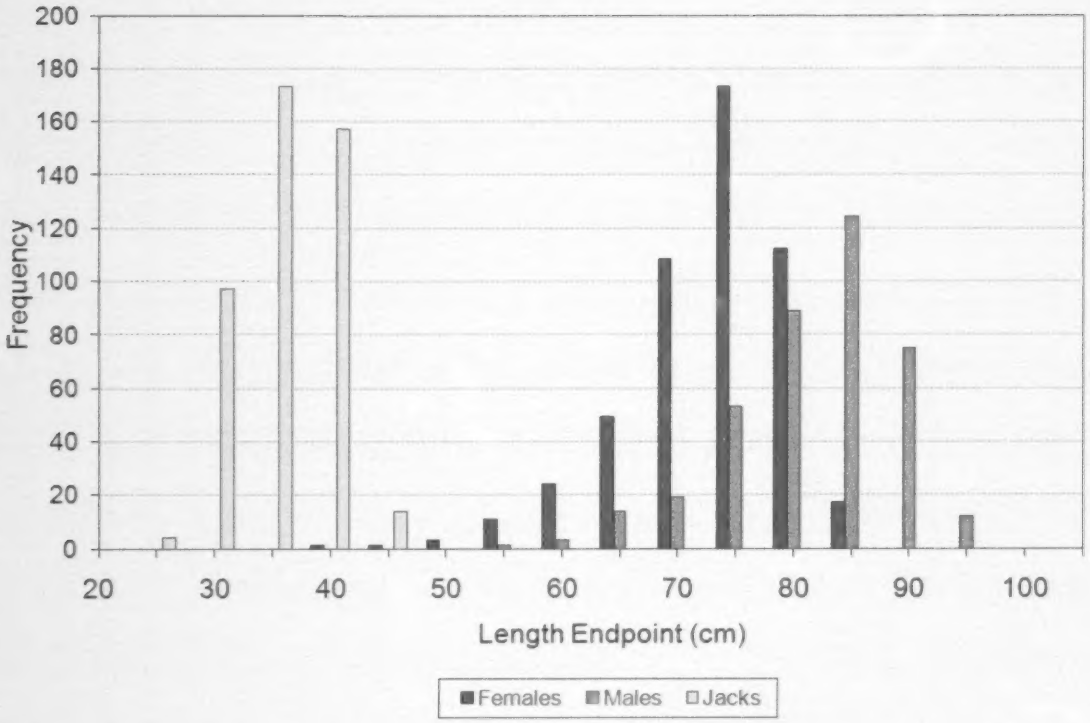


Figure 9. Length-frequency distribution of coho adults and jacks, 2008.

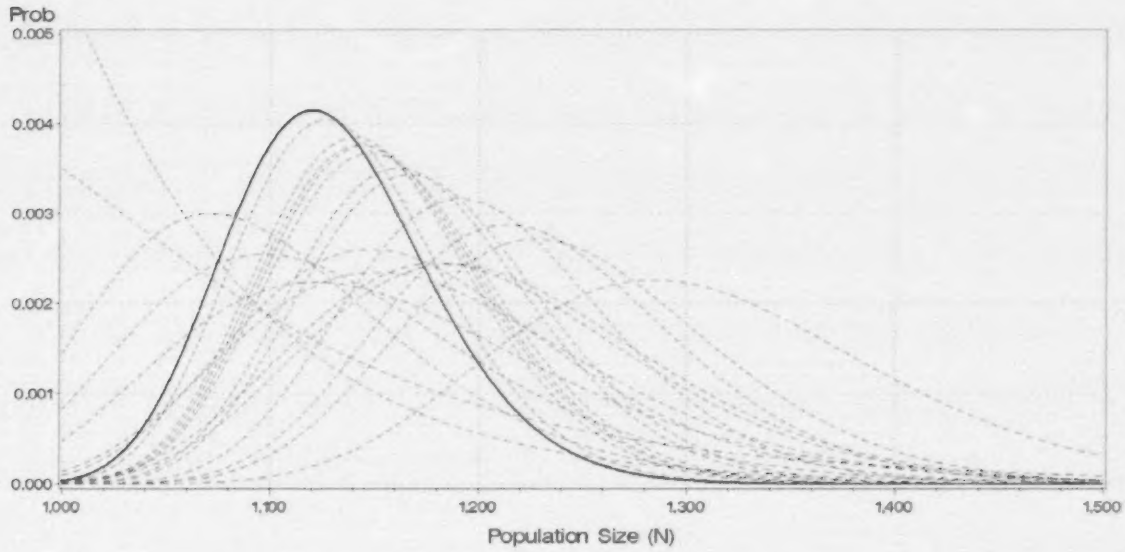


Figure 10. Sequential plots of the posterior distribution of the Bayesian population estimate for 2008 coho adults from marked releases. Final sequence is depicted by solid line. Modal estimate is 1,120 adults (95% confidence range: 1,056 – 1,217).

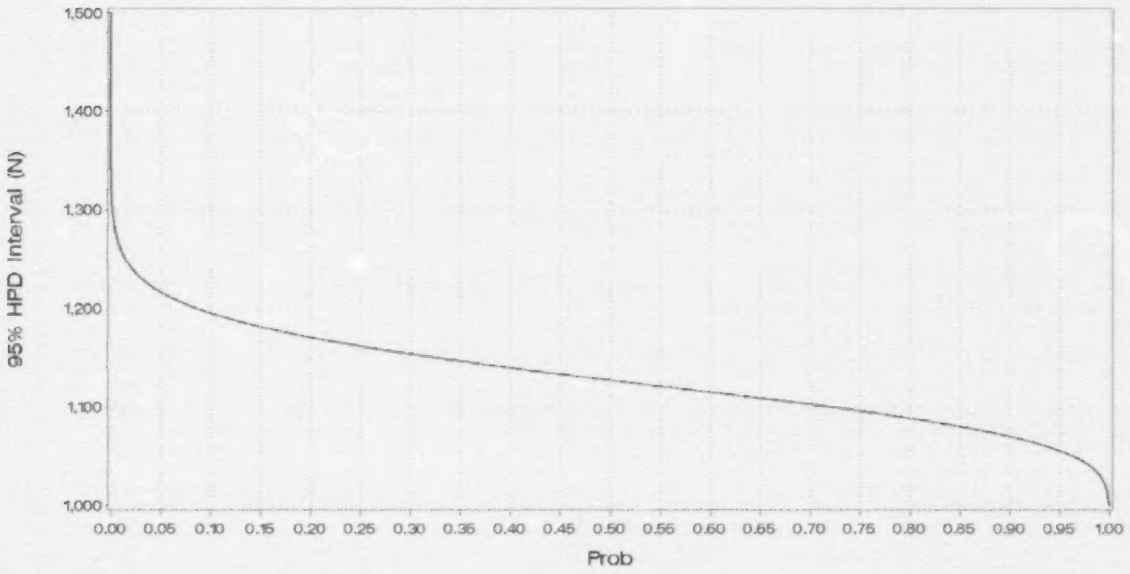


Figure 11. Minimum and maximum population estimates and precision (1,056 < Pop < 1,217; $\alpha = 0.05$) based on posterior distribution of the Bayesian population estimate for coho adults, 2008.

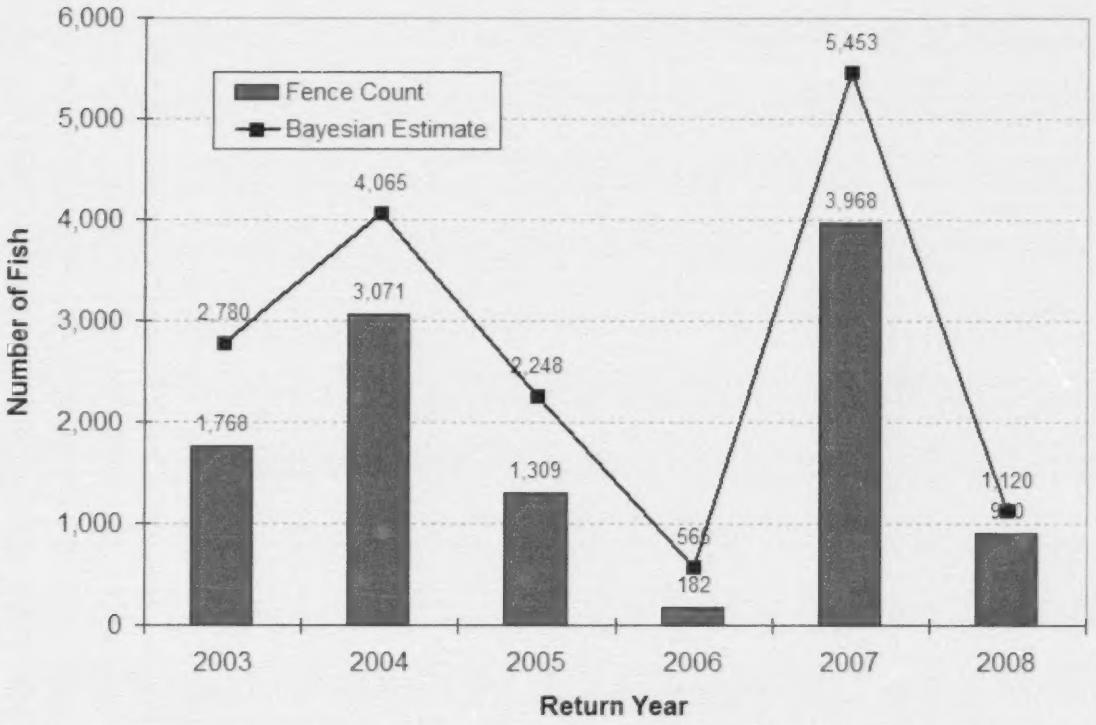


Figure 12. Black Creek adult coho fence counts and Bayesian population estimates, 2003-2008.

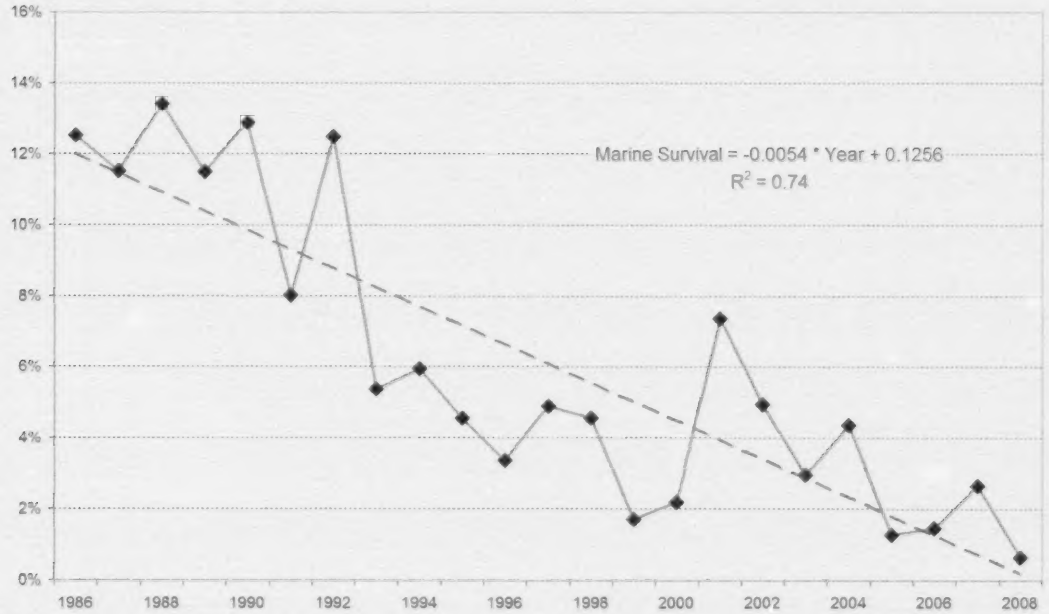


Figure 13. Trend in Black Creek adult coho marine survival, by return year, 1986-2008.

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# APPENDICES

**Appendix A. Daily water level and temperature during the 2008 spring outmigration.**

| Date | Day | Water Temp[17] | Water Temp[18] | Air Temp[19] | Water Level[20] | Weather | Comments |
|---|---|---|---|---|---|---|---|
| 1-Apr | Tue | 4.7 | 5.8 | 9.0 | 73 | Sunny | set trap at 1400hrs |
| 2-Apr | Wed | 5.3 | 5.8 | 9.5 | 73 | Sunny | caught 2 coho smolts and 1 cut good shape |
| 3-Apr | Thu | 5.6 | 5.9 | 8.5 | 73 | Cloudy | |
| 4-Apr | Fri | 6.2 | 5.9 | 8.6 | 74 | Rainy | |
| 5-Apr | Sat | 6.5 | 6.5 | 6.6 | 77 | Rainy | |
| 6-Apr | Sun | 6.3 | 6.2 | 7.6 | 97 | Rainy | high water pull top panels to relieve pressure |
| 7-Apr | Mon | 6.8 | 6.4 | 6.0 | 90 | Cloudy | |
| 8-Apr | Tue | 6.7 | 6.7 | 5.4 | 88 | Rainy | |
| 9-Apr | Wed | 6.0 | 5.9 | 5.7 | 88 | Sunny | |
| 10-Apr | Thu | 7.0 | 6.5 | 7.5 | 83 | Cloudy | |
| 11-Apr | Fri | 7.9 | 7.0 | 7.2 | 79 | Cloudy | Back to normal trapping |
| 12-Apr | Sat | 8.5 | 7.4 | 8.3 | 78 | Cloudy | |
| 13-Apr | Sun | 8.9 | 8.6 | 7.4 | 86 | Sunny | |
| 14-Apr | Mon | 8.7 | 8.4 | 8.3 | 74 | Sunny | |
| 15-Apr | Tue | 8.5 | 8.1 | 8.6 | 70 | Cloudy | |
| 16-Apr | Wed | 9.0 | 8.6 | 8.8 | 68 | Cloudy | |
| 17-Apr | Thu | 8.9 | 8.0 | 7.5 | 68 | Cloudy | |
| 18-Apr | Fri | 7.9 | 6.5 | 7.0 | 67 | Cloudy | |
| 19-Apr | Sat | 6.7 | 5.9 | 4.2 | 66 | Cloudy | |
| 20-Apr | Sun | 6.2 | 4.9 | 4.4 | 64 | Sunny | |
| 21-Apr | Mon | 6.2 | 5.4 | 4.4 | 64 | Sunny | |
| 22-Apr | Tue | 6.7 | 4.4 | 5.0 | 63 | Sunny | |
| 23-Apr | Wed | 7.8 | 8.4 | 8.0 | 61 | Sunny | |
| 24-Apr | Thu | 8.5 | 9.5 | 9.3 | 61 | Cloudy | |
| 25-Apr | Fri | 8.6 | 8.5 | 9.0 | 61 | Cloudy | |
| 26-Apr | Sat | 8.6 | 4.3 | 4.3 | 62 | Sunny | |
| 27-Apr | Sun | 9.5 | 8.6 | 8.6 | 63 | Rainy | |
| 28-Apr | Mon | 10.6 | 9.0 | 9.5 | 59 | Cloudy | |
| 29-Apr | Tue | 9.7 | 7.3 | 7.3 | 60 | Cloudy | |
| 30-Apr | Wed | 8.7 | 7.1 | 7.1 | 61 | Sunny | |
| 1-May | Thu | 8.8 | 8.0 | 9.0 | 62 | Sunny | |

[17] Daily mean water temperature (ºC) from hourly Tidbit data logger samples upstream of fence.
[18] Spot water temperature sample (ºC) taken at staff gauge or fence at about 8 a.m.
[19] Spot air temperature sample (ºC) taken at staff gauge or fence at about 8 a.m.
[20] Centimeters.

| Date | Day | Water Temp[17] | Water Temp[18] | Air Temp[19] | Water Level[20] | Weather | Comments |
|---|---|---|---|---|---|---|---|
| 2-May | Fri | 8.7 | 8.0 | 8.5 | 62 | Rainy | |
| 3-May | Sat | 10.5 | 9.0 | 7.8 | 64 | Cloudy | |
| 4-May | Sun | 10.6 | 8.8 | 8.3 | 64 | Sunny | |
| 5-May | Mon | 12.1 | 9.0 | 9.5 | 62 | Cloudy | |
| 6-May | Tue | 12.4 | 10.5 | 10.2 | 59 | Sunny | |
| 7-May | Wed | 11.6 | 9.7 | 9.5 | 57 | Sunny | |
| 8-May | Thu | 11.1 | 9.8 | 9.5 | 56 | Cloudy | |
| 9-May | Fri | 10.9 | 9.9 | 9.0 | 55 | Cloudy | |
| 10-May | Sat | 10.9 | 10.0 | 9.0 | 54 | Cloudy | |
| 11-May | Sun | 10.8 | 10.2 | 9.3 | 53 | Sunny | |
| 12-May | Mon | 9.8 | 8.8 | 9.9 | 52 | Sunny | |
| 13-May | Tue | 9.6 | 9.8 | 8.8 | 54 | Rainy | |
| 14-May | Wed | 10.0 | 9.9 | 10.4 | 57 | Rainy | |
| 15-May | Thu | 12.0 | 10.8 | 12.9 | 60 | Cloudy | |
| 16-May | Fri | 13.4 | 11.0 | 11.8 | 60 | Sunny | |
| 17-May | Sat | 14.9 | 12.7 | 12.0 | 60 | Sunny | |
| 18-May | Sun | 16.4 | 14.9 | 15.3 | 57 | Sunny | |
| 19-May | Mon | 15.4 | 15.6 | 14.8 | 56 | Rainy | |
| 20-May | Tue | 14.2 | 13.0 | 12.5 | 54 | Sunny | |
| 21-May | Wed | 13.5 | 12.6 | 12.1 | 53 | Sunny | |
| 22-May | Thu | 13.0 | 11.8 | 11.4 | 53 | Cloudy | |
| 23-May | Fri | 13.6 | 12.0 | 13.0 | 52 | Sunny | |
| 24-May | Sat | 15.7 | 12.1 | 16.0 | 51 | Sunny | dam up fence with tarps and sand bags |
| 25-May | Sun | 15.4 | 13.8 | 15.4 | 50 | Cloudy | |
| 26-May | Mon | 15.4 | 14.1 | 15.9 | 49.5 | Cloudy | |
| 27-May | Tue | 15.5 | 14.2 | 13.3 | 58 | Cloudy | water level up from rain |
| 28-May | Wed | 15.5 | 14.2 | 15.6 | 56 | Cloudy | |
| 29-May | Thu | 15.4 | 13.8 | 14.7 | 56 | Cloudy | lots of small fry |
| 30-May | Fri | 14.1 | 13.1 | 14.0 | 55 | Cloudy | |
| 31-May | Sat | 14.1 | 12.6 | 13.0 | 54 | Sunny | |
| 1-Jun | Sun | 14.0 | | | 54 | Cloudy | |
| 2-Jun | Mon | 13.8 | | | 53 | | |
| 3-Jun | Tue | 12.7 | | | 53 | | |
| 4-Jun | Wed | 13.4 | | | | | End of survey |

**Appendix B. Daily catch of coho smolts and fry at the Black Creek fence, 2008.**

| Date[21] | Total Trap Smolts | Pre-Sample Morts | CWT Releases | CWT Morts | Not CWT'd | Total Smolts Release | % CWT | Total Trap Fry Released |
|---|---|---|---|---|---|---|---|---|
| 1-Apr-08 | 0 | | | | 0 | 0 | | |
| 2-Apr-08 | 2 | | | | 2 | 2 | 0% | |
| 3-Apr-08 | 4 | | | | 4 | 4 | 0% | |
| 4-Apr-08 | 0 | | | | 0 | 0 | | |
| 5-Apr-08 | 10 | 2 | | | 8 | 8 | 0% | |
| 6-Apr-08 | 8 | 4 | | | 4 | 4 | 0% | |
| 7-Apr-08 | 2 | | | | 2 | 2 | 0% | |
| 8-Apr-08 | 0 | | | | 0 | 0 | | |
| 9-Apr-08 | 3 | | | | 3 | 3 | 0% | |
| 10-Apr-08 | 1 | 0 | | | 1 | 1 | 0% | |
| 11-Apr-08 | 5 | 0 | | | 5 | 5 | 0% | |
| 12-Apr-08 | 4 | 2 | | | 2 | 2 | 0% | 2 |
| 13-Apr-08 | 7 | 0 | | | 7 | 7 | 0% | 2 |
| 14-Apr-08 | 22 | 0 | | | 22 | 22 | 0% | |
| 15-Apr-08 | 26 | 3 | | | 23 | 23 | 0% | |
| 16-Apr-08 | 22 | 0 | | | 22 | 22 | 0% | |
| 17-Apr-08 | 27 | 0 | | | 27 | 27 | 0% | |
| 18-Apr-08 | 9 | 0 | 9 | | | 9 | 100% | |
| 19-Apr-08 | 8 | | | | 8 | 8 | 0% | |
| 20-Apr-08 | 19 | | | | 19 | 19 | 0% | |
| 21-Apr-08 | 15 | | 15 | | | 15 | 100% | |
| 22-Apr-08 | 4 | | | | 4 | 4 | 0% | |
| 23-Apr-08 | 7 | | | | 7 | 7 | 0% | |
| 24-Apr-08 | 30 | | | | 30 | 30 | 0% | |
| 25-Apr-08 | 62 | | 62 | | | 62 | 100% | |
| 26-Apr-08 | 133 | | | | 133 | 133 | 0% | |
| 27-Apr-08 | 182 | | | | 182 | 182 | 0% | |
| 28-Apr-08 | 123 | | 123 | | | 123 | 100% | 3 |
| 29-Apr-08 | 120 | | 120 | | | 120 | 100% | 15 |
| 30-Apr-08 | 444 | | | | 444 | 444 | 0% | 8 |
| 1-May-08 | 403 | | 395 | 2 | 8 | 403 | 98% | 32 |
| 2-May-08 | 426 | | 422 | | 4 | 426 | 99% | 25 |
| 3-May-08 | 323 | | | | 323 | 323 | 0% | 20 |
| 4-May-08 | 559 | | | | 559 | 559 | 0% | 21 |
| 5-May-08 | 643 | 486 | 31 | | 126 | 157 | 20% | |
| 6-May-08 | 1,783 | 0 | 1,164 | | 619 | 1,783 | 65% | |
| 7-May-08 | 2,811 | 0 | 1,083 | | 1,728 | 2,811 | 39% | 98 |
| 8-May-08 | 2,816 | 2 | 1,216 | | 1,598 | 2,814 | 43% | 33 |
| 9-May-08 | 1,729 | 0 | 1,148 | | 581 | 1,729 | 66% | 23 |
| 10-May-08 | 1,148 | | 843 | | 305 | 1,148 | 73% | 15 |

[21] For date-specific comments, see Appendix C.

| Date[21] | Total Trap Smolts | Pre-Sample Morts | CWT Releases | CWT Morts | Not CWT'd | Total Smolts Release | % CWT | Total Trap Fry Released |
|---|---|---|---|---|---|---|---|---|
| 11-May-08 | 95 | | 95 | | 0 | 95 | 100% | 10 |
| 12-May-08 | 2,350 | | | | 2,350 | 2,350 | 0% | |
| 13-May-08 | 851 | | | | 851 | 851 | 0% | |
| 14-May-08 | 1,212 | | | | 1,212 | 1,212 | 0% | |
| 15-May-08 | 2,324 | | | | 2,324 | 2,324 | 0% | |
| 16-May-08 | 2,448 | | 1,088 | | 1,360 | 2,448 | 44% | 25 |
| 17-May-08 | 1,773 | | | | 1,773 | 1,773 | 0% | |
| 18-May-08 | 2,054 | | | | 2,054 | 2,054 | 0% | |
| 19-May-08 | 1,828 | | 1,141 | | 687 | 1,828 | 62% | 30 |
| 20-May-08 | 1,327 | | 1,027 | | 300 | 1,327 | 77% | |
| 21-May-08 | 437 | | | | 437 | 437 | 0% | |
| 22-May-08 | 380 | | | | 380 | 380 | 0% | |
| 23-May-08 | 399 | | | | 399 | 399 | 0% | 11 |
| 24-May-08 | 245 | | | | 245 | 245 | 0% | |
| 25-May-08 | 320 | | | | 320 | 320 | 0% | |
| 26-May-08 | 247 | | | | 247 | 247 | 0% | |
| 27-May-08 | 695 | | | | 695 | 695 | 0% | |
| 28-May-08 | 402 | | | | 402 | 402 | 0% | |
| 29-May-08 | 245 | | | | 245 | 245 | 0% | |
| 30-May-08 | 662 | | | | 662 | 662 | 0% | 1,280 |
| 31-May-08 | 358 | | 348 | | 10 | 358 | 97% | 120 |
| 1-Jun-08 | 100 | | 98 | | 2 | 100 | 98% | 60 |
| 2-Jun-08 | 3 | | | | 3 | 3 | 0% | |
| 3-Jun-08 | 2 | | | | 2 | 2 | 0% | |
| 4-Jun-08 | 3 | | | | 3 | 3 | 0% | 5 |
| **Totals** | **34,700** | **499** | **10,428** | **2** | **23,773** | **34,201** | 30% | **1,838** |

**Appendix C. Daily catch of other species at the Black Creek out-migration fence, 2008.**

| Date | CUT Adult | CUT Juv | CUT Total | All incidental catch released | Note |
|---|---|---|---|---|---|
| 1-Apr-08 | | | 0 | 0 | Put trap in and start fishing |
| 2-Apr-08 | | 1 | 1 | 1 | |
| 3-Apr-08 | 2 | | 2 | 2 | |
| 4-Apr-08 | | | 0 | 0 | |
| 5-Apr-08 | | | 0 | 0 | |
| 6-Apr-08 | 3 | | 3 | 3 | pull panels high water |
| 7-Apr-08 | 2 | | 2 | 2 | panels out, not effectively fishing |
| 8-Apr-08 | | | 0 | 0 | panels out, not effectively fishing |
| 9-Apr-08 | | | 0 | 0 | panels out, not effectively fishing |
| 10-Apr-08 | | | 0 | 0 | panels out, not effectively fishing |
| 11-Apr-08 | | | 0 | 0 | panels out, not effectively fishing |
| 12-Apr-08 | | | 0 | 2 | panels out, not effectively fishing |
| 13-Apr-08 | | | 0 | 2 | Panels in and fishing again |
| 14-Apr-08 | 6 | | 6 | 6 | Panels in and fishing again |
| 15-Apr-08 | | | 0 | 0 | Panels in and fishing again |
| 16-Apr-08 | 8 | | 8 | 8 | Panels in and fishing again |
| 17-Apr-08 | 7 | | 7 | 7 | Trap fishing effectively |
| 18-Apr-08 | | | 0 | 0 | |
| 19-Apr-08 | 1 | | 1 | 1 | |
| 20-Apr-08 | | | 0 | 0 | |
| 21-Apr-08 | | | 0 | 0 | |
| 22-Apr-08 | | | 0 | 0 | |
| 23-Apr-08 | | | 0 | 0 | |
| 24-Apr-08 | | | 0 | 0 | |
| 25-Apr-08 | 2 | | 2 | 2 | |
| 26-Apr-08 | 2 | | 2 | 2 | |
| 27-Apr-08 | 15 | | 15 | 15 | |
| 28-Apr-08 | 3 | | 3 | 6 | 2 sculpin |
| 29-Apr-08 | 14 | 3 | 17 | 32 | 1 sculpin |
| 30-Apr-08 | 9 | | 9 | 17 | 6 sculpin and 2 lamprey |
| 1-May-08 | 13 | 5 | 18 | 50 | 2 sculpin and 2 lamprey |
| 2-May-08 | 4 | 1 | 5 | 30 | 1 sculpin and 1 lamprey |
| 3-May-08 | | | 0 | 20 | 5 sculpins |
| 4-May-08 | 7 | | 7 | 28 | 6 sculpins |
| 5-May-08 | | | 0 | 0 | |
| 6-May-08 | | | 0 | 0 | |
| 7-May-08 | 5 | | 5 | 103 | 6 lamprey and 4 sculpins |
| 8-May-08 | 20 | | 20 | 53 | 2 lampreys and 4 sculpins |
| 9-May-08 | 32 | | 32 | 55 | 2 lampreys and 2 sculpins |
| 10-May-08 | 5 | 6 | 11 | 26 | 1 sculpin |
| 11-May-08 | 2 | | 2 | 12 | 1 sculpin |
| 12-May-08 | | | 0 | 0 | |

| Date | CUT Adult | CUT Juv | CUT Total | All incidental catch released | Note |
|---|---|---|---|---|---|
| 13-May-08 | | | 0 | 0 | |
| 14-May-08 | | | 0 | 0 | |
| 15-May-08 | | | 0 | 0 | |
| 16-May-08 | 7 | 7 | 14 | 39 | 3 sculpins |
| 17-May-08 | | | 0 | 0 | |
| 18-May-08 | | | 0 | 0 | |
| 19-May-08 | 8 | 10 | 18 | 48 | |
| 20-May-08 | | | 0 | 0 | |
| 21-May-08 | | | 0 | 0 | |
| 22-May-08 | | | 0 | 0 | |
| 23-May-08 | 4 | | 4 | 15 | |
| 24-May-08 | | | 0 | 0 | |
| 25-May-08 | | | 0 | 0 | |
| 26-May-08 | | | 0 | 0 | |
| 27-May-08 | | | 0 | 0 | |
| 28-May-08 | | | 0 | 0 | |
| 29-May-08 | | | 0 | 0 | |
| 30-May-08 | 7 | 10 | 17 | 1,297 | 1 lamprey and 2 sculpins |
| 31-May-08 | 2 | 3 | 5 | 125 | 3 lamprey |
| 1-Jun-08 | | | 0 | 60 | 1 sculpin |
| 2-Jun-08 | | | 0 | 0 | |
| 3-Jun-08 | | | 0 | 0 | |
| 4-Jun-08 | 2 | 3 | 5 | 10 | 1 sculpin |
| **Totals** | **192** | **49** | **241** | **2,079** | |

**Appendix D. Individual coho smolt length (mm), weight (g), and scale age, 2008.**

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 1 | 02-Apr-08 | 50666 | 1 | 171 | | 33 | 20 | |
| 2 | 02-Apr-08 | 50666 | 2 | 131 | | 33 | 20 | |
| 3 | 02-Apr-08 | 50666 | 3 | 122 | | 22 | 10 | |
| 4 | 02-Apr-08 | 50666 | 4 | 120 | | 22 | 10 | |
| 5 | 02-Apr-08 | 50666 | 5 | 105 | | 22 | 10 | |
| 6 | 02-Apr-08 | 50666 | 6 | 151 | | 33 | 20 | |
| 7 | 02-Apr-08 | 50666 | 7 | 115 | | 22 | 10 | |
| 8 | 02-Apr-08 | 50666 | 8 | 135 | | 0M | M0 | RG |
| 9 | 02-Apr-08 | 50666 | 9 | 140 | | 0M | M0 | RG |
| 10 | 02-Apr-08 | 50666 | 10 | 172 | | 33 | 20 | |
| 11 | 02-Apr-08 | 50666 | 11 | 145 | | 33 | 20 | |
| 12 | 02-Apr-08 | 50666 | 12 | 183 | | 33 | 20 | |
| 13 | 02-Apr-08 | 50666 | 13 | 120 | | | | NS |
| 14 | 02-Apr-08 | 50666 | 14 | 130 | | 22 | 10 | |
| 15 | 02-Apr-08 | 50666 | 15 | 115 | | 22 | 10 | |
| 16 | 02-Apr-08 | 50666 | 16 | 95 | | 0M | M0 | RG |
| 17 | 02-Apr-08 | 50666 | 17 | 160 | | 33 | 20 | |
| 18 | 02-Apr-08 | 50666 | 18 | 175 | | 33 | 20 | |
| 19 | 02-Apr-08 | 50666 | 19 | 130 | | 22 | 10 | |
| 20 | 02-Apr-08 | 50666 | 20 | 175 | | 33 | 20 | |
| 21 | 02-Apr-08 | 50666 | 21 | 165 | | 33 | 20 | |
| 22 | 02-Apr-08 | 50666 | 22 | 185 | | 33 | 20 | |
| 23 | 02-Apr-08 | 50666 | 23 | 165 | | 33 | 20 | |
| 24 | 02-Apr-08 | 50666 | 24 | 175 | | 33 | 20 | |
| 25 | 02-Apr-08 | 50666 | 25 | 185 | | 33 | 20 | |
| 26 | 02-Apr-08 | 50666 | 26 | 185 | | 0M | M0 | RG |
| 27 | 02-Apr-08 | 50666 | 27 | 190 | | 33 | 20 | |
| 28 | 02-Apr-08 | 50666 | 28 | 175 | | 0M | M0 | RG |
| 29 | 02-Apr-08 | 50666 | 29 | 125 | | 22 | 10 | |
| 30 | 02-Apr-08 | 50666 | 30 | 165 | | 33 | 20 | |
| 31 | 02-Apr-08 | 50666 | 31 | 150 | | | | NS |
| 32 | 02-Apr-08 | 50666 | 32 | 120 | | 22 | 10 | |
| 33 | 02-Apr-08 | 50666 | 33 | 190 | | 33 | 20 | |
| 34 | 02-Apr-08 | 50666 | 34 | 180 | | | | NS |
| 35 | 02-Apr-08 | 50666 | 35 | 175 | | 33 | 20 | |
| 36 | 02-Apr-08 | 50666 | 36 | 186 | | 33 | 20 | |
| 37 | 02-Apr-08 | 50666 | 37 | 170 | | 33 | 20 | |
| 38 | 02-Apr-08 | 50666 | 38 | 165 | | 33 | 20 | |
| 39 | 02-Apr-08 | 50666 | 39 | 170 | | | | MF |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 40 | 02-Apr-08 | 50666 | 40 | 170 | | 33 | 20 | |
| 41 | 02-Apr-08 | 50666 | 41 | 185 | | | | NS |
| 42 | 02-Apr-08 | 50666 | 42 | 175 | | 33 | 20 | |
| 43 | 02-Apr-08 | 50666 | 43 | 180 | | 33 | 20 | |
| 44 | 02-Apr-08 | 50666 | 44 | 195 | | 33 | 20 | |
| 45 | 02-Apr-08 | 50666 | 45 | 175 | | 33 | 20 | |
| 46 | 02-Apr-08 | 50666 | 46 | 110 | | 33 | 20 | |
| 47 | 02-Apr-08 | 50666 | 47 | 165 | | 33 | 20 | |
| 48 | 02-Apr-08 | 50666 | 48 | 170 | | 33 | 20 | |
| 49 | 02-Apr-08 | 50666 | 49 | 160 | | 33 | 20 | |
| 50 | 02-Apr-08 | 50666 | 50 | 165 | | 33 | 20 | |
| 51 | 02-Apr-08 | 50667 | 1 | 175 | | 33 | 20 | |
| 52 | 02-Apr-08 | 50667 | 2 | 180 | | 0M | M0 | RG |
| 53 | 02-Apr-08 | 50667 | 3 | 160 | | 33 | 20 | |
| 54 | 02-Apr-08 | 50667 | 4 | 170 | | 33 | 20 | |
| 55 | 02-Apr-08 | 50667 | 5 | 180 | | 33 | 20 | |
| 56 | 02-Apr-08 | 50667 | 6 | 185 | | 33 | 20 | |
| 57 | 02-Apr-08 | 50667 | 7 | 145 | | 22 | 10 | |
| 58 | 02-Apr-08 | 50667 | 8 | 150 | | 33 | 20 | |
| 59 | 02-Apr-08 | 50667 | 9 | 170 | | 33 | 20 | |
| 60 | 02-Apr-08 | 50667 | 10 | 175 | | 0M | M0 | UF |
| 61 | 02-Apr-08 | 50667 | 11 | 180 | | 33 | 20 | |
| 62 | 02-Apr-08 | 50667 | 12 | 190 | | 33 | 20 | |
| 63 | 02-Apr-08 | 50667 | 13 | 180 | | 33 | 20 | |
| 64 | 02-Apr-08 | 50667 | 14 | 190 | | 33 | 20 | |
| 65 | 02-Apr-08 | 50667 | 15 | 160 | | 0M | M0 | RG |
| 66 | 02-Apr-08 | 50667 | 16 | 170 | | 33 | 20 | |
| 67 | 02-Apr-08 | 50667 | 17 | 160 | | 33 | 20 | |
| 68 | 02-Apr-08 | 50667 | 18 | 145 | | 0M | M0 | RG |
| 69 | 02-Apr-08 | 50667 | 19 | 180 | | 0M | M0 | RG |
| 70 | 02-Apr-08 | 50667 | 20 | 175 | | 33 | 20 | |
| 71 | 02-Apr-08 | 50667 | 21 | 160 | | 33 | 20 | |
| 72 | 02-Apr-08 | 50667 | 22 | 165 | | 33 | 20 | |
| 73 | 02-Apr-08 | 50667 | 23 | 175 | | 33 | 20 | |
| 74 | 02-Apr-08 | 50667 | 24 | 130 | | 22 | 10 | |
| 75 | 02-Apr-08 | 50667 | 25 | 175 | | 33 | 20 | |
| 76 | 02-Apr-08 | 50667 | 26 | 170 | | 33 | 20 | |
| 77 | 02-Apr-08 | 50667 | 27 | 130 | | 22 | 10 | |
| 78 | 02-Apr-08 | 50667 | 28 | 170 | | 33 | 20 | |
| 79 | 02-Apr-08 | 50667 | 29 | 175 | | 33 | 20 | |
| 80 | 02-Apr-08 | 50667 | 30 | 170 | | 33 | 20 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 81 | 02-Apr-08 | 50667 | 31 | 170 | | 33 | 20 | |
| 82 | 02-Apr-08 | 50667 | 32 | 145 | | 22 | 10 | |
| 83 | 02-Apr-08 | 50667 | 33 | 135 | | 0M | M0 | RG |
| 84 | 02-Apr-08 | 50667 | 34 | 145 | | 22 | 10 | |
| 85 | 02-Apr-08 | 50667 | 35 | 135 | | 22 | 10 | |
| 86 | 02-Apr-08 | 50667 | 36 | 175 | | 33 | 20 | |
| 87 | 02-Apr-08 | 50667 | 37 | 165 | | 33 | 20 | |
| 88 | 02-Apr-08 | 50667 | 38 | 170 | | 33 | 20 | |
| 89 | 02-Apr-08 | 50667 | 39 | 165 | | 33 | 20 | |
| 90 | 02-Apr-08 | 50667 | 40 | 170 | | 0M | M0 | RG |
| 91 | 02-Apr-08 | 50667 | 41 | 160 | | 33 | 20 | |
| 92 | 02-Apr-08 | 50667 | 42 | 170 | | 0M | M0 | RG |
| 93 | 02-Apr-08 | 50667 | 43 | 120 | | 22 | 10 | |
| 94 | 02-Apr-08 | 50667 | 44 | 185 | | 33 | 20 | |
| 95 | 02-Apr-08 | 50667 | 45 | 170 | | 33 | 20 | |
| 96 | 02-Apr-08 | 50667 | 46 | 165 | | 33 | 20 | |
| 97 | 02-Apr-08 | 50667 | 47 | 135 | | 22 | 10 | |
| 98 | 02-Apr-08 | 50667 | 48 | 140 | | 22 | 10 | |
| 99 | 02-Apr-08 | 50667 | 49 | 110 | | 33 | 20 | |
| 100 | 02-Apr-08 | 50667 | 50 | 130 | | 22 | 10 | |
| 101 | 01-May-08 | 50668 | 1 | 125 | | 22 | 10 | |
| 102 | 01-May-08 | 50668 | 2 | 120 | | 22 | 10 | |
| 103 | 01-May-08 | 50668 | 3 | 130 | | 0M | M0 | RG |
| 104 | 01-May-08 | 50668 | 4 | 180 | | 33 | 20 | |
| 105 | 01-May-08 | 50668 | 5 | 190 | | 33 | 20 | |
| 106 | 01-May-08 | 50668 | 6 | 130 | | 22 | 10 | |
| 107 | 01-May-08 | 50668 | 7 | 140 | | 22 | 10 | |
| 108 | 01-May-08 | 50668 | 8 | 115 | | | | UD |
| 109 | 01-May-08 | 50668 | 9 | 160 | | 0M | M0 | RG |
| 110 | 01-May-08 | 50668 | 10 | 160 | | 33 | 20 | |
| 111 | 01-May-08 | 50668 | 11 | 145 | | 0M | M0 | RG |
| 112 | 01-May-08 | 50668 | 12 | 130 | | 22 | 10 | |
| 113 | 01-May-08 | 50668 | 13 | 130 | | 22 | 10 | |
| 114 | 01-May-08 | 50668 | 14 | 125 | | 22 | 10 | |
| 115 | 01-May-08 | 50668 | 15 | 175 | | 33 | 20 | |
| 116 | 01-May-08 | 50668 | 16 | 180 | | 22 | 10 | |
| 117 | 02-May-08 | 50668 | 17 | 120 | | | | UD |
| 118 | 02-May-08 | 50668 | 18 | 185 | | 33 | 20 | |
| 119 | 02-May-08 | 50668 | 19 | 135 | | 22 | 10 | |
| 120 | 02-May-08 | 50668 | 20 | 135 | | 22 | 10 | |
| 121 | 02-May-08 | 50668 | 21 | 135 | | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 122 | 02-May-08 | 50668 | 22 | 130 | | 22 | 10 | |
| 123 | 02-May-08 | 50668 | 23 | 190 | | 33 | 20 | |
| 124 | 02-May-08 | 50668 | 24 | 115 | | 22 | 10 | |
| 125 | 02-May-08 | 50668 | 25 | 125 | | 22 | 10 | |
| 126 | 02-May-08 | 50668 | 26 | 130 | | 22 | 10 | |
| 127 | 02-May-08 | 50668 | 27 | 160 | | 33 | 20 | |
| 128 | 02-May-08 | 50668 | 28 | 160 | | 33 | 20 | |
| 129 | 02-May-08 | 50668 | 29 | 155 | | 33 | 20 | |
| 130 | 02-May-08 | 50668 | 30 | 155 | | 33 | 20 | |
| 131 | 02-May-08 | 50668 | 31 | 125 | | 22 | 10 | |
| 132 | 02-May-08 | 50668 | 32 | 190 | | 33 | 20 | |
| 133 | 02-May-08 | 50668 | 33 | 140 | | 22 | 10 | |
| 134 | 02-May-08 | 50668 | 34 | 170 | | 33 | 20 | |
| 135 | 02-May-08 | 50668 | 35 | 115 | | 0M | M0 | RG |
| 136 | 02-May-08 | 50668 | 36 | 130 | | 22 | 10 | |
| 137 | 02-May-08 | 50668 | 37 | 200 | | 33 | 20 | |
| 138 | 02-May-08 | 50668 | 38 | 138 | | 22 | 10 | |
| 139 | 02-May-08 | 50668 | 39 | 172 | | 33 | 20 | |
| 140 | 02-May-08 | 50668 | 40 | 173 | | 33 | 20 | |
| 141 | 02-May-08 | 50668 | 41 | 167 | | | | UD |
| 142 | 02-May-08 | 50668 | 42 | 135 | | 0M | M0 | RG |
| 143 | 02-May-08 | 50668 | 43 | 255 | | 33 | 20 | |
| 144 | 02-May-08 | 50668 | 44 | 132 | | 22 | 10 | |
| 145 | 02-May-08 | 50668 | 45 | 135 | | 22 | 10 | |
| 146 | 02-May-08 | 50668 | 46 | 133 | | 0M | M0 | UF |
| 147 | 02-May-08 | 50668 | 47 | 135 | | 0M | M0 | RG |
| 148 | 02-May-08 | 50668 | 48 | 123 | | 22 | 10 | |
| 149 | 02-May-08 | 50668 | 49 | 145 | | 33 | 20 | |
| 150 | 02-May-08 | 50668 | 50 | 136 | | 22 | 10 | |
| 151 | 03-May-08 | 50669 | 1 | 135 | 23.60 | 0M | M0 | RG |
| 152 | 03-May-08 | 50669 | 2 | 125 | 20.00 | 22 | 10 | |
| 153 | 03-May-08 | 50669 | 3 | 120 | 18.90 | 0M | M0 | RG |
| 154 | 03-May-08 | 50669 | 4 | 145 | 28.30 | 33 | 20 | |
| 155 | 03-May-08 | 50669 | 5 | 145 | 29.20 | 22 | 10 | |
| 156 | 03-May-08 | 50669 | 6 | 148 | 29.40 | 22 | 10 | |
| 157 | 03-May-08 | 50669 | 7 | 120 | 16.60 | 22 | 10 | |
| 158 | 03-May-08 | 50669 | 8 | 130 | 27.90 | 22 | 10 | |
| 159 | 03-May-08 | 50669 | 9 | 145 | 29.10 | 22 | 10 | |
| 160 | 03-May-08 | 50669 | 10 | 110 | 13.40 | 22 | 10 | |
| 161 | 03-May-08 | 50669 | 11 | 120 | 18.90 | 22 | 10 | |
| 162 | 03-May-08 | 50669 | 12 | 145 | 32.70 | 33 | 20 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 163 | 03-May-08 | 50669 | 13 | 152 | 40.40 | 22 | 10 | |
| 164 | 03-May-08 | 50669 | 14 | 150 | 32.90 | 22 | 10 | |
| 165 | 03-May-08 | 50669 | 15 | 140 | 30.00 | 0M | M0 | RG |
| 166 | 03-May-08 | 50669 | 16 | 130 | 23.00 | 33 | 20 | |
| 167 | 03-May-08 | 50669 | 17 | 130 | 16.20 | 22 | 10 | |
| 168 | 03-May-08 | 50669 | 18 | 135 | 24.30 | 22 | 10 | |
| 169 | 03-May-08 | 50669 | 19 | 130 | 24.90 | 0M | M0 | RG |
| 170 | 03-May-08 | 50669 | 20 | 135 | 23.10 | 22 | 10 | |
| 171 | 03-May-08 | 50669 | 21 | 110 | 14.10 | 22 | 10 | |
| 172 | 03-May-08 | 50669 | 22 | 165 | 43.10 | 0M | M0 | RG |
| 173 | 03-May-08 | 50669 | 23 | 150 | 33.60 | 22 | 10 | |
| 174 | 03-May-08 | 50669 | 24 | 145 | 35.10 | 22 | 10 | |
| 175 | 04-May-08 | 50669 | 25 | 125 | 18.60 | 0M | M0 | RG |
| 176 | 04-May-08 | 50669 | 26 | 147 | 30.70 | 33 | 20 | |
| 177 | 04-May-08 | 50669 | 27 | 140 | 25.50 | 33 | 20 | |
| 178 | 04-May-08 | 50669 | 28 | 140 | 28.80 | 33 | 20 | |
| 179 | 04-May-08 | 50669 | 29 | 130 | 25.80 | 33 | 20 | |
| 180 | 04-May-08 | 50669 | 30 | 135 | 27.80 | 0M | M0 | RG |
| 181 | 06-May-08 | 50669 | 31 | 135 | 23.80 | 22 | 10 | |
| 182 | 06-May-08 | 50669 | 32 | 127 | 19.40 | 33 | 20 | |
| 183 | 06-May-08 | 50669 | 33 | 138 | 25.10 | 22 | 10 | |
| 184 | 06-May-08 | 50669 | 34 | 132 | 22.00 | 22 | 10 | |
| 185 | 06-May-08 | 50669 | 35 | 128 | 22.20 | 22 | 10 | |
| 186 | 06-May-08 | 50669 | 36 | 135 | 27.40 | 22 | 10 | |
| 187 | 06-May-08 | 50669 | 37 | 148 | 30.50 | 22 | 10 | |
| 188 | 06-May-08 | 50669 | 38 | 150 | 34.90 | 22 | 10 | |
| 189 | 06-May-08 | 50669 | 39 | 132 | 23.00 | 22 | 10 | |
| 190 | 06-May-08 | 50669 | 40 | 138 | 28.70 | 0M | M0 | RG |
| 191 | 06-May-08 | 50669 | 41 | 130 | 25.40 | 22 | 10 | |
| 192 | 06-May-08 | 50669 | 42 | 125 | 19.80 | 22 | 10 | |
| 193 | 06-May-08 | 50669 | 43 | 120 | 17.80 | 33 | 20 | |
| 194 | 06-May-08 | 50669 | 44 | 125 | 20.60 | 22 | 10 | |
| 195 | 06-May-08 | 50669 | 45 | 128 | 22.20 | 0M | M0 | RG |
| 196 | 06-May-08 | 50669 | 46 | 120 | 18.10 | 0M | M0 | RG |
| 197 | 06-May-08 | 50669 | 47 | 128 | 20.80 | 33 | 20 | |
| 198 | 06-May-08 | 50669 | 48 | 130 | 23.20 | 22 | 10 | |
| 199 | 06-May-08 | 50669 | 49 | 140 | 25.80 | 0M | M0 | RG |
| 200 | 06-May-08 | 50669 | 50 | 125 | 20.60 | 22 | 10 | |
| 201 | 07-May-08 | 50670 | 1 | 95 | 9.30 | 22 | 10 | |
| 202 | 07-May-08 | 50670 | 2 | 110 | 9.40 | 0M | M0 | RG |
| 203 | 07-May-08 | 50670 | 3 | 118 | 14.30 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 204 | 07-May-08 | 50670 | 4 | 118 | 16.40 | 22 | 10 | |
| 205 | 07-May-08 | 50670 | 5 | 120 | 17.00 | 22 | 10 | |
| 206 | 07-May-08 | 50670 | 6 | 110 | 14.10 | 33 | 20 | |
| 207 | 07-May-08 | 50670 | 7 | 128 | 21.30 | 0M | M0 | RG |
| 208 | 07-May-08 | 50670 | 8 | 120 | 16.00 | 22 | 10 | |
| 209 | 07-May-08 | 50670 | 9 | 120 | 16.50 | 33 | 20 | |
| 210 | 07-May-08 | 50670 | 10 | 125 | 21.20 | 22 | 10 | |
| 211 | 07-May-08 | 50670 | 11 | 120 | 17.00 | 22 | 10 | |
| 212 | 07-May-08 | 50670 | 12 | 130 | 26.60 | 22 | 10 | |
| 213 | 07-May-08 | 50670 | 13 | 120 | 17.80 | 22 | 10 | |
| 214 | 07-May-08 | 50670 | 14 | 125 | 19.90 | 22 | 10 | |
| 215 | 07-May-08 | 50670 | 15 | 100 | 10.10 | 22 | 10 | |
| 216 | 07-May-08 | 50670 | 16 | 120 | 19.30 | 22 | 10 | |
| 217 | 07-May-08 | 50670 | 17 | 100 | 9.30 | 22 | 10 | |
| 218 | 07-May-08 | 50670 | 18 | 130 | 22.30 | 33 | 20 | |
| 219 | 07-May-08 | 50670 | 19 | 120 | 20.00 | 22 | 10 | |
| 220 | 07-May-08 | 50670 | 20 | 115 | 14.90 | 0M | M0 | RG |
| 221 | 07-May-08 | 50670 | 21 | 130 | 19.90 | 22 | 10 | |
| 222 | 07-May-08 | 50670 | 22 | 115 | 13.00 | 22 | 10 | |
| 223 | 07-May-08 | 50670 | 23 | 115 | 14.40 | 22 | 10 | |
| 224 | 07-May-08 | 50670 | 24 | 125 | 20.40 | 22 | 10 | |
| 225 | 07-May-08 | 50670 | 25 | 115 | 16.70 | 22 | 10 | |
| 226 | 07-May-08 | 50670 | 26 | 130 | 22.60 | 22 | 10 | |
| 227 | 07-May-08 | 50670 | 27 | 115 | 10.90 | 22 | 10 | |
| 228 | 07-May-08 | 50670 | 28 | 110 | 12.90 | 33 | 20 | |
| 229 | 07-May-08 | 50670 | 29 | 130 | 19.90 | 22 | 10 | |
| 230 | 07-May-08 | 50670 | 30 | 130 | 23.00 | 22 | 10 | |
| 231 | 07-May-08 | 50670 | 31 | 135 | 24.50 | 22 | 10 | |
| 232 | 07-May-08 | 50670 | 32 | 120 | 18.60 | 22 | 10 | |
| 233 | 07-May-08 | 50670 | 33 | 130 | 18.20 | 22 | 10 | |
| 234 | 07-May-08 | 50670 | 34 | 120 | 17.30 | 22 | 10 | |
| 235 | 07-May-08 | 50670 | 35 | 125 | 22.40 | 22 | 10 | |
| 236 | 07-May-08 | 50670 | 36 | 120 | 16.10 | 22 | 10 | |
| 237 | 07-May-08 | 50670 | 37 | 115 | 14.70 | 33 | 20 | |
| 238 | 07-May-08 | 50670 | 38 | 130 | 22.80 | 33 | 20 | |
| 239 | 07-May-08 | 50670 | 39 | 108 | 11.60 | 22 | 10 | |
| 240 | 07-May-08 | 50670 | 40 | 140 | 26.90 | 33 | 20 | |
| 241 | 07-May-08 | 50670 | 41 | 145 | 32.90 | 22 | 10 | |
| 242 | 07-May-08 | 50670 | 42 | 140 | 30.20 | 22 | 10 | |
| 243 | 07-May-08 | 50670 | 43 | 128 | 19.40 | 22 | 10 | |
| 244 | 07-May-08 | 50670 | 44 | 120 | 14.20 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 245 | 07-May-08 | 50670 | 45 | 130 | 24.90 | 22 | 10 | |
| 246 | 07-May-08 | 50670 | 46 | 135 | 22.10 | 22 | 10 | |
| 247 | 07-May-08 | 50670 | 47 | 125 | 19.80 | 22 | 10 | |
| 248 | 07-May-08 | 50670 | 48 | 120 | 16.80 | 22 | 10 | |
| 249 | 07-May-08 | 50670 | 49 | 130 | 20.60 | 33 | 20 | |
| 250 | 07-May-08 | 50670 | 50 | 145 | 27.70 | 22 | 10 | |
| 251 | 10-May-08 | 50671 | 1 | 110 | 12.90 | 22 | 10 | |
| 252 | 10-May-08 | 50671 | 2 | 110 | 14.10 | 22 | 10 | |
| 253 | 10-May-08 | 50671 | 3 | 135 | 24.00 | 22 | 10 | |
| 254 | 10-May-08 | 50671 | 4 | 105 | 11.00 | 22 | 10 | |
| 255 | 10-May-08 | 50671 | 5 | 110 | 12.80 | 22 | 10 | |
| 256 | 10-May-08 | 50671 | 6 | 110 | 16.00 | 0M | M0 | RG |
| 257 | 10-May-08 | 50671 | 7 | 110 | 12.00 | 22 | 10 | |
| 258 | 10-May-08 | 50671 | 8 | 100 | 8.60 | 0M | M0 | RG |
| 259 | 10-May-08 | 50671 | 9 | 100 | 9.30 | 22 | 10 | |
| 260 | 10-May-08 | 50671 | 10 | 100 | 11.00 | 0M | M0 | RG |
| 261 | 10-May-08 | 50671 | 11 | 108 | 12.10 | 22 | 10 | |
| 262 | 10-May-08 | 50671 | 12 | 95 | 7.40 | 22 | 10 | |
| 263 | 10-May-08 | 50671 | 13 | 105 | 10.10 | 0M | M0 | RG |
| 264 | 10-May-08 | 50671 | 14 | 110 | 10.10 | 33 | 20 | |
| 265 | 10-May-08 | 50671 | 15 | 110 | 13.10 | 22 | 10 | |
| 266 | 10-May-08 | 50671 | 16 | 95 | 9.90 | 22 | 10 | |
| 267 | 10-May-08 | 50671 | 17 | 102 | 10.50 | 22 | 10 | |
| 268 | 10-May-08 | 50671 | 18 | 100 | | 22 | 10 | |
| 269 | 10-May-08 | 50671 | 19 | 110 | 10.70 | 22 | 10 | |
| 270 | 10-May-08 | 50671 | 20 | | | 22 | 10 | |
| 271 | 10-May-08 | 50671 | 21 | 145 | 26.30 | 22 | 10 | |
| 272 | 10-May-08 | 50671 | 22 | 105 | 11.60 | 22 | 10 | |
| 273 | 10-May-08 | 50671 | 23 | 100 | 9.70 | 22 | 10 | |
| 274 | 10-May-08 | 50671 | 24 | 110 | 10.30 | 22 | 10 | |
| 275 | 10-May-08 | 50671 | 25 | 95 | 9.40 | 0M | M0 | RG |
| 276 | 10-May-08 | 50671 | 26 | 100 | 10.80 | 22 | 10 | |
| 277 | 10-May-08 | 50671 | 27 | 110 | 13.70 | 22 | 10 | |
| 278 | 10-May-08 | 50671 | 28 | 110 | 14.50 | 22 | 10 | |
| 279 | 10-May-08 | 50671 | 29 | 170 | 48.00 | 33 | 20 | |
| 280 | 10-May-08 | 50671 | 30 | 105 | 11.20 | 22 | 10 | |
| 281 | 10-May-08 | 50671 | 31 | 110 | 11.10 | 0M | M0 | RG |
| 282 | 10-May-08 | 50671 | 32 | 168 | 38.00 | 0M | M0 | RG |
| 283 | 10-May-08 | 50671 | 33 | 110 | 13.70 | 22 | 10 | |
| 284 | 10-May-08 | 50671 | 34 | 105 | 11.10 | 22 | 10 | |
| 285 | 10-May-08 | 50671 | 35 | 145 | 29.00 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 286 | 10-May-08 | 50671 | 36 | 105 | 11.70 | 22 | 10 | |
| 287 | 10-May-08 | 50671 | 37 | 112 | 15.00 | 22 | 10 | |
| 288 | 10-May-08 | 50671 | 38 | 110 | 13.00 | 22 | 10 | |
| 289 | 10-May-08 | 50671 | 39 | 145 | 28.00 | 0M | M0 | UF |
| 290 | 10-May-08 | 50671 | 40 | 110 | 12.70 | 22 | 10 | |
| 291 | 10-May-08 | 50671 | 41 | 150 | 32.00 | 22 | 10 | |
| 292 | 10-May-08 | 50671 | 42 | 115 | 12.50 | 22 | 10 | |
| 293 | 10-May-08 | 50671 | 43 | 152 | 32.00 | 22 | 10 | |
| 294 | 10-May-08 | 50671 | 44 | 138 | 26.00 | 0M | M0 | RG |
| 295 | 10-May-08 | 50671 | 45 | 100 | 11.00 | 22 | 10 | |
| 296 | 10-May-08 | 50671 | 46 | 114 | 14.50 | 22 | 10 | |
| 297 | 10-May-08 | 50671 | 47 | 135 | 21.40 | 0M | M0 | RG |
| 298 | 10-May-08 | 50671 | 48 | 105 | 12.00 | 33 | 20 | |
| 299 | 10-May-08 | 50671 | 49 | 130 | 21.00 | 0M | M0 | RG |
| 300 | 10-May-08 | 50671 | 50 | 148 | 40.00 | 22 | 10 | |
| 301 | 12-May-08 | 65081 | 1 | 110 | 12.50 | 22 | 10 | |
| 302 | 12-May-08 | 65081 | 2 | 105 | 10.50 | 22 | 10 | |
| 303 | 12-May-08 | 65081 | 3 | 130 | 21.00 | 22 | 10 | |
| 304 | 12-May-08 | 65081 | 4 | 125 | 19.70 | 0M | M0 | RG |
| 305 | 12-May-08 | 65081 | 5 | 108 | 12.30 | 22 | 10 | |
| 306 | 12-May-08 | 65081 | 6 | 115 | 15.40 | 22 | 10 | |
| 307 | 12-May-08 | 65081 | 7 | 128 | 20.00 | 22 | 10 | |
| 308 | 12-May-08 | 65081 | 8 | 115 | 15.00 | 22 | 10 | |
| 309 | 12-May-08 | 65081 | 9 | 122 | 17.50 | 22 | 10 | |
| 310 | 12-May-08 | 65081 | 10 | 112 | 15.30 | 22 | 10 | |
| 311 | 12-May-08 | 65081 | 11 | 104 | 11.80 | 22 | 10 | |
| 312 | 12-May-08 | 65081 | 12 | 122 | 19.10 | 33 | 20 | |
| 313 | 12-May-08 | 65081 | 13 | 128 | 22.20 | 22 | 10 | |
| 314 | 12-May-08 | 65081 | 14 | 140 | 25.00 | 22 | 10 | |
| 315 | 12-May-08 | 65081 | 15 | 140 | 27.60 | 22 | 10 | |
| 316 | 12-May-08 | 65081 | 16 | 116 | 15.30 | 22 | 10 | |
| 317 | 12-May-08 | 65081 | 17 | 110 | 12.20 | 0M | M0 | RG |
| 318 | 12-May-08 | 65081 | 18 | 122 | 17.20 | 22 | 10 | |
| 319 | 12-May-08 | 65081 | 19 | 125 | 19.00 | 0M | M0 | RG |
| 320 | 12-May-08 | 65081 | 20 | 115 | 14.10 | 22 | 10 | |
| 321 | 12-May-08 | 65081 | 21 | 120 | 19.80 | 22 | 10 | |
| 322 | 12-May-08 | 65081 | 22 | 118 | 15.20 | 0M | M0 | RG |
| 323 | 12-May-08 | 65081 | 23 | 113 | 12.80 | 22 | 10 | |
| 324 | 12-May-08 | 65081 | 24 | 130 | 19.20 | 22 | 10 | |
| 325 | 12-May-08 | 65081 | 25 | 109 | 10.90 | 22 | 10 | |
| 326 | 12-May-08 | 65081 | 26 | 118 | 18.30 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 327 | 12-May-08 | 65081 | 27 | 110 | 13.10 | 22 | 10 | |
| 328 | 12-May-08 | 65081 | 28 | 105 | 10.90 | 22 | 10 | |
| 329 | 12-May-08 | 65081 | 29 | 142 | 26.10 | 22 | 10 | |
| 330 | 12-May-08 | 65081 | 30 | 118 | 14.80 | 0M | M0 | RG |
| 331 | 12-May-08 | 65081 | 31 | 115 | 14.50 | 22 | 10 | |
| 332 | 12-May-08 | 65081 | 32 | 128 | 21.40 | 22 | 10 | |
| 333 | 12-May-08 | 65081 | 33 | 115 | 14.00 | 22 | 10 | |
| 334 | 12-May-08 | 65081 | 34 | 105 | 12.10 | 22 | 10 | |
| 335 | 12-May-08 | 65081 | 35 | 110 | 14.00 | 22 | 10 | |
| 336 | 12-May-08 | 65081 | 36 | 118 | 14.20 | 0M | M0 | RG |
| 337 | 12-May-08 | 65081 | 37 | 120 | 17.30 | 22 | 10 | |
| 338 | 12-May-08 | 65081 | 38 | 120 | 17.60 | 22 | 10 | |
| 339 | 12-May-08 | 65081 | 39 | 118 | 17.00 | 0M | M0 | RG |
| 340 | 12-May-08 | 65081 | 40 | 120 | 17.20 | 22 | 10 | |
| 341 | 12-May-08 | 65081 | 41 | 215 | 87.50 | 0M | M0 | W |
| 342 | 13-May-08 | 65081 | 42 | 125 | 18.40 | 33 | 20 | |
| 343 | 13-May-08 | 65081 | 43 | 105 | 11.50 | 22 | 10 | |
| 344 | 13-May-08 | 65081 | 44 | 120 | 15.70 | 0M | M0 | RG |
| 345 | 13-May-08 | 65081 | 45 | 110 | 13.40 | 22 | 10 | |
| 346 | 13-May-08 | 65081 | 46 | 104 | 10.80 | 22 | 10 | |
| 347 | 13-May-08 | 65081 | 47 | 130 | 22.70 | 0M | M0 | RG |
| 348 | 13-May-08 | 65081 | 48 | 125 | 20.60 | 0M | M0 | RG |
| 349 | 13-May-08 | 65081 | 49 | 108 | 12.40 | 22 | 10 | |
| 350 | 13-May-08 | 65081 | 50 | 110 | 14.60 | 22 | 10 | |
| 351 | 13-May-08 | 65082 | 1 | 110 | 15.10 | 22 | 10 | |
| 352 | 13-May-08 | 65082 | 2 | 115 | 14.70 | 22 | 10 | |
| 353 | 13-May-08 | 65082 | 3 | 114 | 15.00 | 0M | M0 | RG |
| 354 | 13-May-08 | 65082 | 4 | 120 | 18.00 | 0M | M0 | RG |
| 355 | 13-May-08 | 65082 | 5 | 125 | 17.70 | 22 | 10 | |
| 356 | 13-May-08 | 65082 | 6 | 110 | 13.90 | 22 | 10 | |
| 357 | 13-May-08 | 65082 | 7 | 110 | 12.00 | 0M | M0 | RG |
| 358 | 13-May-08 | 65082 | 8 | 122 | 17.10 | 22 | 10 | |
| 359 | 13-May-08 | 65082 | 9 | 142 | 24.80 | 0M | M0 | RG |
| 360 | 13-May-08 | 65082 | 10 | 110 | 13.70 | 22 | 10 | |
| 361 | 13-May-08 | 65082 | 11 | 111 | 13.50 | 22 | 10 | |
| 362 | 13-May-08 | 65082 | 12 | 130 | 23.20 | 22 | 10 | |
| 363 | 13-May-08 | 65082 | 13 | 110 | 12.90 | 22 | 10 | |
| 364 | 13-May-08 | 65082 | 14 | 110 | 11.60 | 22 | 10 | |
| 365 | 13-May-08 | 65082 | 15 | 120 | 17.20 | 22 | 10 | |
| 366 | 13-May-08 | 65082 | 16 | 120 | 19.20 | 22 | 10 | |
| 367 | 13-May-08 | 65082 | 17 | 123 | 17.00 | 0M | M0 | UF |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 368 | 13-May-08 | 65082 | 18 | 120 | 17.10 | 0M | M0 | RG |
| 369 | 13-May-08 | 65082 | 19 | 118 | 16.40 | 0M | M0 | RG |
| 370 | 13-May-08 | 65082 | 20 | 115 | 14.80 | 0M | M0 | UF |
| 371 | 13-May-08 | 65082 | 21 | 122 | 17.00 | 0M | M0 | RG |
| 372 | 13-May-08 | 65082 | 22 | 110 | 13.10 | 22 | 10 | |
| 373 | 13-May-08 | 65082 | 23 | 105 | 11.30 | 0M | M0 | RG |
| 374 | 13-May-08 | 65082 | 24 | 122 | 21.80 | 22 | 10 | |
| 375 | 13-May-08 | 65082 | 25 | 115 | 16.10 | 0M | M0 | RG |
| 376 | 13-May-08 | 65082 | 26 | 100 | 10.50 | 22 | 10 | |
| 377 | 13-May-08 | 65082 | 27 | 115 | 16.00 | 22 | 10 | |
| 378 | 13-May-08 | 65082 | 28 | 115 | 14.10 | 0M | M0 | RG |
| 379 | 13-May-08 | 65082 | 29 | 120 | 17.50 | 22 | 10 | |
| 380 | 13-May-08 | 65082 | 30 | 138 | 25.90 | 22 | 10 | |
| 381 | 14-May-08 | 65082 | 31 | 118 | 15.50 | 22 | 10 | |
| 382 | 14-May-08 | 65082 | 32 | 132 | 23.30 | 22 | 10 | |
| 383 | 14-May-08 | 65082 | 33 | 125 | 17.20 | 22 | 10 | |
| 384 | 14-May-08 | 65082 | 34 | 122 | 19.00 | 22 | 10 | |
| 385 | 14-May-08 | 65082 | 35 | 125 | 19.90 | 22 | 10 | |
| 386 | 14-May-08 | 65082 | 36 | 125 | 21.50 | 0M | M0 | RG |
| 387 | 14-May-08 | 65082 | 37 | 125 | 18.50 | 22 | 10 | |
| 388 | 14-May-08 | 65082 | 38 | 122 | 18.40 | 0M | M0 | RG |
| 389 | 14-May-08 | 65082 | 39 | 116 | 16.30 | 22 | 10 | |
| 390 | 14-May-08 | 65082 | 40 | 118 | 15.20 | 33 | 20 | |
| 391 | 14-May-08 | 65082 | 41 | 105 | 13.40 | 0M | M0 | RG |
| 392 | 14-May-08 | 65082 | 42 | 130 | 21.10 | 22 | 10 | |
| 393 | 14-May-08 | 65082 | 43 | 124 | 19.80 | 0M | M0 | RG |
| 394 | 14-May-08 | 65082 | 44 | 104 | 11.80 | 22 | 10 | |
| 395 | 14-May-08 | 65082 | 45 | 110 | 13.00 | 22 | 10 | |
| 396 | 14-May-08 | 65082 | 46 | 110 | 13.30 | 0M | M0 | RG |
| 397 | 14-May-08 | 65082 | 47 | 100 | 10.40 | 22 | 10 | |
| 398 | 14-May-08 | 65082 | 48 | 115 | 15.20 | 22 | 10 | |
| 399 | 14-May-08 | 65082 | 49 | 120 | 18.30 | 0M | M0 | RG |
| 400 | 14-May-08 | 65082 | 50 | 135 | 23.50 | 0M | M0 | RG |
| 401 | 14-May-08 | 65083 | 1 | 136 | 23.80 | 0M | M0 | RG |
| 402 | 14-May-08 | 65083 | 2 | 105 | 11.80 | 0M | M0 | RG |
| 403 | 14-May-08 | 65083 | 3 | 115 | 14.40 | 0M | M0 | RG |
| 404 | 14-May-08 | 65083 | 4 | 125 | 17.80 | 22 | 10 | |
| 405 | 14-May-08 | 65083 | 5 | 105 | 11.20 | 22 | 10 | |
| 406 | 14-May-08 | 65083 | 6 | 120 | 15.30 | 0M | M0 | RG |
| 407 | 14-May-08 | 65083 | 7 | 115 | 13.90 | 22 | 10 | |
| 408 | 14-May-08 | 65083 | 8 | 106 | 12.60 | 0M | M0 | RG |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 409 | 14-May-08 | 65083 | 9 | 104 | 10.20 | 0M | M0 | RG |
| 410 | 14-May-08 | 65083 | 10 | 118 | 14.20 | 22 | 10 | |
| 411 | 14-May-08 | 65083 | 11 | 124 | 18.40 | 0M | M0 | LL |
| 412 | 14-May-08 | 65083 | 12 | 115 | 16.50 | 0M | M0 | RG |
| 413 | 14-May-08 | 65083 | 13 | 114 | 14.90 | 0M | M0 | RG |
| 414 | 14-May-08 | 65083 | 14 | 102 | 10.70 | 22 | 10 | |
| 415 | 14-May-08 | 65083 | 15 | 100 | 10.20 | 0M | M0 | RG |
| 416 | 14-May-08 | 65083 | 16 | 130 | 22.40 | 0M | M0 | RG |
| 417 | 14-May-08 | 65083 | 17 | 128 | 19.10 | 0M | M0 | RG |
| 418 | 14-May-08 | 65083 | 18 | 132 | 20.50 | 22 | 10 | |
| 419 | 14-May-08 | 65083 | 19 | 122 | 16.40 | 0M | M0 | RG |
| 420 | 14-May-08 | 65083 | 20 | 130 | 20.10 | 22 | 10 | |
| 421 | 14-May-08 | 65083 | 21 | 118 | 15.30 | 33 | 20 | |
| 422 | 14-May-08 | 65083 | 22 | 110 | 11.00 | 0M | M0 | RG |
| 423 | 14-May-08 | 65083 | 23 | 110 | 13.10 | 22 | 10 | |
| 424 | 14-May-08 | 65083 | 24 | 120 | 17.10 | 0M | M0 | RG |
| 425 | 14-May-08 | 65083 | 25 | 128 | 20.50 | 22 | 10 | |
| 426 | 14-May-08 | 65083 | 26 | 120 | 18.10 | 0M | M0 | RG |
| 427 | 14-May-08 | 65083 | 27 | 130 | 19.60 | 22 | 10 | |
| 428 | 14-May-08 | 65083 | 28 | 105 | 11.20 | 22 | 10 | |
| 429 | 14-May-08 | 65083 | 29 | 102 | 11.00 | 0M | M0 | RG |
| 430 | 14-May-08 | 65083 | 30 | 110 | 17.60 | 22 | 10 | |
| 431 | 14-May-08 | 65083 | 31 | 112 | 13.40 | 22 | 10 | |
| 432 | 15-May-08 | 65083 | 32 | 130 | 22.40 | 0M | M0 | RG |
| 433 | 15-May-08 | 65083 | 33 | 120 | 17.90 | 22 | 10 | |
| 434 | 15-May-08 | 65083 | 34 | 128 | 22.30 | 22 | 10 | |
| 435 | 15-May-08 | 65083 | 35 | 128 | 19.40 | 0M | M0 | RG |
| 436 | 15-May-08 | 65083 | 36 | 116 | 16.40 | 22 | 10 | |
| 437 | 15-May-08 | 65083 | 37 | 110 | 12.10 | 0M | M0 | RG |
| 438 | 15-May-08 | 65083 | 38 | 128 | 20.30 | 0M | M0 | RG |
| 439 | 15-May-08 | 65083 | 39 | 123 | 19.10 | 22 | 10 | |
| 440 | 15-May-08 | 65083 | 40 | 115 | 16.40 | 0M | M0 | RG |
| 441 | 15-May-08 | 65083 | 41 | 118 | 16.60 | 22 | 10 | |
| 442 | 15-May-08 | 65083 | 42 | 128 | 18.10 | 22 | 10 | |
| 443 | 15-May-08 | 65083 | 43 | 132 | 24.90 | 0M | M0 | RG |
| 444 | 15-May-08 | 65083 | 44 | 130 | 20.00 | 22 | 10 | |
| 445 | 15-May-08 | 65083 | 45 | 128 | 20.00 | 0M | M0 | RG |
| 446 | 15-May-08 | 65083 | 46 | 131 | 21.20 | 0M | M0 | RG |
| 447 | 15-May-08 | 65083 | 47 | 120 | 16.20 | 0M | M0 | RG |
| 448 | 15-May-08 | 65083 | 48 | 110 | 12.20 | 0M | M0 | RG |
| 449 | 15-May-08 | 65083 | 49 | 114 | 14.00 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 450 | 15-May-08 | 65083 | 50 | 150 | 32.10 | 33 | 20 | |
| 451 | 15-May-08 | 65084 | 1 | 120 | 17.00 | 22 | 10 | |
| 452 | 15-May-08 | 65084 | 2 | 115 | 13.50 | 22 | 10 | |
| 453 | 15-May-08 | 65084 | 3 | 114 | 14.10 | 0M | M0 | RG |
| 454 | 15-May-08 | 65084 | 4 | 120 | 16.90 | 0M | M0 | RG |
| 455 | 15-May-08 | 65084 | 5 | 122 | 19.10 | 22 | 10 | |
| 456 | 15-May-08 | 65084 | 6 | 125 | 19.20 | 0M | M0 | RG |
| 457 | 15-May-08 | 65084 | 7 | 118 | 14.90 | 22 | 10 | |
| 458 | 15-May-08 | 65084 | 8 | 130 | 22.10 | 22 | 10 | |
| 459 | 15-May-08 | 65084 | 9 | 135 | 23.60 | 0M | M0 | RG |
| 460 | 15-May-08 | 65084 | 10 | 110 | 11.90 | 22 | 10 | |
| 461 | 15-May-08 | 65084 | 11 | 115 | 13.00 | 0M | M0 | RG |
| 462 | 15-May-08 | 65084 | 12 | 122 | 18.90 | 0M | M0 | RG |
| 463 | 15-May-08 | 65084 | 13 | 135 | 25.60 | 22 | 10 | |
| 464 | 15-May-08 | 65084 | 14 | 122 | 18.70 | 33 | 20 | |
| 465 | 15-May-08 | 65084 | 15 | 143 | 29.20 | 0M | M0 | RG |
| 466 | 15-May-08 | 65084 | 16 | 115 | 14.70 | 22 | 10 | |
| 467 | 15-May-08 | 65084 | 17 | 110 | 13.10 | 22 | 10 | |
| 468 | 15-May-08 | 65084 | 18 | 110 | 14.60 | 22 | 10 | |
| 469 | 15-May-08 | 65084 | 19 | 118 | 14.60 | 0M | M0 | RG |
| 470 | 15-May-08 | 65084 | 20 | 125 | 19.30 | 0M | M0 | RG |
| 471 | 18-May-08 | 65084 | 21 | 102 | 10.20 | 0M | M0 | RG |
| 472 | 18-May-08 | 65084 | 22 | 95 | 8.00 | 0M | M0 | UF |
| 473 | 18-May-08 | 65084 | 23 | 110 | 13.20 | 22 | 10 | |
| 474 | 18-May-08 | 65084 | 24 | 115 | 13.70 | 22 | 10 | |
| 475 | 18-May-08 | 65084 | 25 | 110 | 13.10 | 0M | M0 | RG |
| 476 | 18-May-08 | 65084 | 26 | 105 | 11.70 | 22 | 10 | |
| 477 | 18-May-08 | 65084 | 27 | 110 | 13.90 | 0M | M0 | RG |
| 478 | 18-May-08 | 65084 | 28 | 110 | 14.00 | 22 | 10 | |
| 479 | 18-May-08 | 65084 | 29 | 115 | 15.90 | 0M | M0 | RG |
| 480 | 18-May-08 | 65084 | 30 | 120 | 17.20 | 0M | M0 | RG |
| 481 | 18-May-08 | 65084 | 31 | 100 | 9.90 | 22 | 10 | |
| 482 | 18-May-08 | 65084 | 32 | 98 | 8.80 | 22 | 10 | |
| 483 | 18-May-08 | 65084 | 33 | 100 | 10.10 | 0M | M0 | RG |
| 484 | 18-May-08 | 65084 | 34 | 95 | 8.90 | 22 | 10 | |
| 485 | 18-May-08 | 65084 | 35 | 105 | 12.40 | 22 | 10 | |
| 486 | 18-May-08 | 65084 | 36 | 105 | 12.90 | 0M | M0 | RG |
| 487 | 18-May-08 | 65084 | 37 | 112 | 14.10 | 22 | 10 | |
| 488 | 18-May-08 | 65084 | 38 | 100 | 10.90 | 22 | 10 | |
| 489 | 18-May-08 | 65084 | 39 | 115 | 14.60 | 22 | 10 | |
| 490 | 18-May-08 | 65084 | 40 | 110 | 12.40 | 22 | 10 | |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 491 | 18-May-08 | 65084 | 41 | 128 | 20.00 | 22 | 10 | |
| 492 | 18-May-08 | 65084 | 42 | 110 | 12.90 | 22 | 10 | |
| 493 | 18-May-08 | 65084 | 43 | 125 | 20.10 | 0M | M0 | RG |
| 494 | 18-May-08 | 65084 | 44 | 105 | 13.10 | 22 | 10 | |
| 495 | 18-May-08 | 65084 | 45 | 100 | 11.20 | 22 | 10 | |
| 496 | 18-May-08 | 65084 | 46 | 90 | 8.10 | 22 | 10 | |
| 497 | 18-May-08 | 65084 | 47 | 110 | 11.60 | | | UD |
| 498 | 18-May-08 | 65084 | 48 | 105 | 11.90 | 0M | M0 | RG |
| 499 | 18-May-08 | 65084 | 49 | 115 | 14.20 | 22 | 10 | |
| 500 | 18-May-08 | 65084 | 50 | 105 | 12.00 | | | UD |
| 501 | 18-May-08 | 65085 | 1 | 125 | 19.00 | 22 | 10 | |
| 502 | 18-May-08 | 65085 | 2 | 105 | 11.40 | 22 | 10 | |
| 503 | 18-May-08 | 65085 | 3 | 121 | 18.00 | 22 | 10 | |
| 504 | 18-May-08 | 65085 | 4 | 120 | 17.60 | 22 | 10 | |
| 505 | 18-May-08 | 65085 | 5 | 100 | 9.60 | 22 | 10 | |
| 506 | 18-May-08 | 65085 | 6 | 115 | 14.60 | 22 | 10 | |
| 507 | 18-May-08 | 65085 | 7 | 105 | 11.80 | 0M | M0 | RG |
| 508 | 18-May-08 | 65085 | 8 | 115 | 14.60 | 0M | M0 | RG |
| 509 | 18-May-08 | 65085 | 9 | 116 | 17.10 | 0M | M0 | RG |
| 510 | 18-May-08 | 65085 | 10 | 107 | 12.30 | 22 | 10 | |
| 511 | 18-May-08 | 65085 | 11 | 115 | 18.50 | 22 | 10 | |
| 512 | 18-May-08 | 65085 | 12 | 110 | 13.10 | 22 | 10 | |
| 513 | 18-May-08 | 65085 | 13 | 110 | 13.40 | 0M | M0 | RG |
| 514 | 18-May-08 | 65085 | 14 | 125 | 18.00 | 0M | M0 | RG |
| 515 | 18-May-08 | 65085 | 15 | 120 | 16.90 | 22 | 10 | |
| 516 | 18-May-08 | 65085 | 16 | 130 | 19.00 | 0M | M0 | RG |
| 517 | 18-May-08 | 65085 | 17 | 115 | 16.00 | 22 | 10 | |
| 518 | 18-May-08 | 65085 | 18 | 118 | 16.80 | 0M | M0 | RG |
| 519 | 18-May-08 | 65085 | 19 | 120 | 15.10 | | | UD |
| 520 | 18-May-08 | 65085 | 20 | 119 | 15.60 | 22 | 10 | |
| 521 | 18-May-08 | 65085 | 21 | 115 | 15.00 | 22 | 10 | |
| 522 | 18-May-08 | 65085 | 22 | 99 | 11.20 | | | UD |
| 523 | 18-May-08 | 65085 | 23 | 117 | 11.10 | 22 | 10 | |
| 524 | 18-May-08 | 65085 | 24 | 145 | 29.00 | 0M | M0 | RG |
| 525 | 18-May-08 | 65085 | 25 | 120 | 15.70 | 0M | M0 | RG |
| 526 | 19-May-08 | 65085 | 26 | 92 | 8.20 | 0M | M0 | RG |
| 527 | 19-May-08 | 65085 | 27 | 120 | 18.60 | 0M | M0 | RG |
| 528 | 19-May-08 | 65085 | 28 | 102 | 11.70 | 22 | 10 | |
| 529 | 19-May-08 | 65085 | 29 | 115 | 14.30 | 22 | 10 | |
| 530 | 19-May-08 | 65085 | 30 | 90 | 6.90 | 22 | 10 | |
| 531 | 19-May-08 | 65085 | 31 | 115 | 13.60 | 0M | M0 | RG |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 532 | 19-May-08 | 65085 | 32 | 120 | 15.80 | 22 | 10 | |
| 533 | 19-May-08 | 65085 | 33 | 132 | 23.00 | 0M | M0 | RG |
| 534 | 19-May-08 | 65085 | 34 | 94 | 8.60 | 22 | 10 | |
| 535 | 19-May-08 | 65085 | 35 | 125 | 20.30 | 22 | 10 | |
| 536 | 19-May-08 | 65085 | 36 | 115 | 13.10 | 22 | 10 | |
| 537 | 19-May-08 | 65085 | 37 | 125 | 19.20 | 0M | M0 | RG |
| 538 | 19-May-08 | 65085 | 38 | 120 | 20.10 | 22 | 10 | |
| 539 | 19-May-08 | 65085 | 39 | 93 | 8.00 | 22 | 10 | |
| 540 | 19-May-08 | 65085 | 40 | 110 | 13.30 | 33 | 20 | |
| 541 | 19-May-08 | 65085 | 41 | 115 | 14.50 | 22 | 10 | |
| 542 | 19-May-08 | 65085 | 42 | 125 | 19.50 | 0M | M0 | RG |
| 543 | 19-May-08 | 65085 | 43 | 130 | 22.80 | 0M | M0 | RG |
| 544 | 19-May-08 | 65085 | 44 | 130 | 20.80 | 22 | 10 | |
| 545 | 19-May-08 | 65085 | 45 | 120 | 16.90 | 22 | 10 | |
| 546 | 19-May-08 | 65085 | 46 | 118 | 15.90 | 22 | 10 | |
| 547 | 19-May-08 | 65085 | 47 | 110 | 12.90 | 22 | 10 | |
| 548 | 19-May-08 | 65085 | 48 | 105 | 10.90 | 22 | 10 | |
| 549 | 19-May-08 | 65085 | 49 | 120 | 15.30 | 22 | 10 | |
| 550 | 19-May-08 | 65085 | 50 | 105 | 11.20 | 0M | M0 | RG |
| 551 | 20-May-08 | 65086 | 1 | 115 | 16.40 | 0M | M0 | RG |
| 552 | 20-May-08 | 65086 | 2 | 105 | 12.90 | 22 | 10 | |
| 553 | 20-May-08 | 65086 | 3 | 110 | 13.60 | 22 | 10 | |
| 554 | 20-May-08 | 65086 | 4 | 115 | 14.10 | 0M | M0 | RG |
| 555 | 20-May-08 | 65086 | 5 | 115 | 14.50 | 22 | 10 | |
| 556 | 20-May-08 | 65086 | 6 | 100 | 10.60 | 0M | M0 | RG |
| 557 | 20-May-08 | 65086 | 7 | 100 | 11.20 | 0M | M0 | RG |
| 558 | 20-May-08 | 65086 | 8 | 110 | 13.50 | 0M | M0 | RG |
| 559 | 20-May-08 | 65086 | 9 | 130 | 18.10 | 33 | 20 | |
| 560 | 20-May-08 | 65086 | 10 | 118 | 16.90 | 22 | 10 | |
| 561 | 20-May-08 | 65086 | 11 | 110 | 16.40 | 22 | 10 | |
| 562 | 20-May-08 | 65086 | 12 | 115 | 15.20 | 0M | M0 | RG |
| 563 | 20-May-08 | 65086 | 13 | 120 | 15.80 | 22 | 10 | |
| 564 | 20-May-08 | 65086 | 14 | 100 | 11.10 | 22 | 10 | |
| 565 | 20-May-08 | 65086 | 15 | 102 | 12.50 | 22 | 10 | |
| 566 | 20-May-08 | 65086 | 16 | 123 | 20.80 | 0M | M0 | RG |
| 567 | 20-May-08 | 65086 | 17 | 130 | 22.30 | 22 | 10 | |
| 568 | 20-May-08 | 65086 | 18 | 120 | 19.40 | 0M | M0 | RG |
| 569 | 20-May-08 | 65086 | 19 | 116 | 17.10 | | | UD |
| 570 | 20-May-08 | 65086 | 20 | 115 | 15.40 | 0M | M0 | RG |
| 571 | 20-May-08 | 65086 | 21 | 105 | 11.10 | 0M | M0 | RG |
| 572 | 20-May-08 | 65086 | 22 | 110 | 13.70 | 0M | M0 | RG |

| Fish | Date | Scale Book | Scale Number | Length (mm) | Weight (g) | Gilbert-Rich Age | European Age | Scale Quality |
|---|---|---|---|---|---|---|---|---|
| 573 | 20-May-08 | 65086 | 23 | 95 | 8.50 | 22 | 10 | |
| 574 | 20-May-08 | 65086 | 24 | 130 | 23.50 | 22 | 10 | |
| 575 | 20-May-08 | 65086 | 25 | 125 | 21.10 | 0M | M0 | RG |
| 576 | 26-May-08 | 65086 | 26 | 98 | 8.80 | 0M | M0 | RG |
| 577 | 26-May-08 | 65086 | 27 | 106 | 11.90 | 0M | M0 | RG |
| 578 | 26-May-08 | 65086 | 28 | 110 | 12.20 | 22 | 10 | |
| 579 | 26-May-08 | 65086 | 29 | 132 | 22.20 | 22 | 10 | |
| 580 | 26-May-08 | 65086 | 30 | 92 | 7.60 | 22 | 10 | |
| 581 | 26-May-08 | 65086 | 31 | 85 | 8.90 | 0M | M0 | RG |
| 582 | 26-May-08 | 65086 | 32 | 110 | 13.10 | 22 | 10 | |
| 583 | 26-May-08 | 65086 | 33 | 120 | 15.10 | 0M | M0 | RG |
| 584 | 26-May-08 | 65086 | 34 | 120 | 15.90 | | | UD |
| 585 | 26-May-08 | 65086 | 35 | 108 | 12.00 | | | UD |
| 586 | 26-May-08 | 65086 | 36 | 95 | 8.90 | 22 | 10 | |
| 587 | 26-May-08 | 65086 | 37 | 110 | 12.60 | 0M | M0 | RG |
| 588 | 26-May-08 | 65086 | 38 | 95 | 9.40 | 22 | 10 | |
| 589 | 26-May-08 | 65086 | 39 | 115 | 15.30 | 22 | 10 | |
| 590 | 26-May-08 | 65086 | 40 | 100 | 9.50 | 22 | 10 | |
| 591 | 26-May-08 | 65086 | 41 | 120 | 15.90 | 0M | M0 | RG |
| 592 | 26-May-08 | 65086 | 42 | 110 | 10.80 | 22 | 10 | |
| 593 | 26-May-08 | 65086 | 43 | 110 | 12.10 | 22 | 10 | |
| 594 | 26-May-08 | 65086 | 44 | 108 | 12.00 | 0M | M0 | RG |
| 595 | 26-May-08 | 65086 | 45 | 122 | 14.80 | 22 | 10 | |
| 596 | 26-May-08 | 65086 | 46 | 115 | 13.90 | 22 | 10 | |
| 597 | 26-May-08 | 65086 | 47 | 95 | 9.20 | | | NS |
| 598 | 26-May-08 | 65086 | 48 | 100 | 8.70 | 22 | 10 | |
| 599 | 26-May-08 | 65086 | 49 | 100 | 9.80 | 22 | 10 | |
| 600 | 26-May-08 | 65086 | 50 | 115 | 13.60 | 22 | 10 | |

**Appendix E. Individual coho smolt length (mm), weight (g), and condition factor (KC), 2008.**

| PERIOD 1 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 2-Apr | 1 | 131 | 24.4 | 1.09 |
| 2-Apr | 2 | 171 | 52.5 | 1.05 |
| 3-Apr | 3 | 174 | 26.8 | 0.51 |
| 3-Apr | 4 | 167 | 23.4 | 0.50 |
| 3-Apr | 5 | 162 | 23.2 | 0.55 |
| 3-Apr | 6 | 126 | 11.3 | 0.56 |
| 5-Apr | 7 | 80 | 5.5 | 1.07 |
| 5-Apr | 8 | 70 | 4.9 | 1.43 |
| 5-Apr | 9 | 122 | 13.5 | 0.74 |
| 5-Apr | 10 | 120 | 12.5 | 0.72 |
| 5-Apr | 11 | 105 | 14.0 | 1.21 |
| 5-Apr | 12 | 151 | 35.8 | 1.04 |
| 5-Apr | 13 | 115 | 16.9 | 1.11 |
| 5-Apr | 14 | 135 | 27.4 | 1.11 |
| 5-Apr | 15 | 140 | 28.2 | 1.03 |
| 5-Apr | 16 | 172 | 46.6 | 0.92 |
| 6-Apr | 17 | 145 | 33.3 | 1.09 |
| 6-Apr | 18 | 183 | 55.1 | 0.90 |
| 6-Apr | 19 | 120 | 18.9 | 1.09 |
| 6-Apr | 20 | 115 | 15.8 | 1.04 |
| 6-Apr | 21 | 95 | 9.4 | 1.10 |
| 9-Apr | 22 | 160 | 40.1 | 0.98 |
| 9-Apr | 23 | 175 | 53.4 | 1.00 |
| 9-Apr | 24 | 130 | 22.4 | 1.02 |
| 9-Apr | 25 | 175 | 50.5 | 0.94 |
| 10-Apr | 26 | 138 | 15.3 | 0.58 |
| 11-Apr | 27 | 168 | 23.0 | 0.49 |
| 11-Apr | 28 | 125 | 11.3 | 0.58 |
| 11-Apr | 29 | 170 | 24.4 | 0.50 |
| 11-Apr | 30 | 182 | 28.6 | 0.47 |
| 11-Apr | 31 | 165 | 22.5 | 0.50 |
| 13-Apr | 32 | 165 | 39.5 | 0.88 |
| 13-Apr | 33 | 185 | 62.4 | 0.99 |
| 13-Apr | 34 | 165 | 43.3 | 0.96 |
| 13-Apr | 35 | 175 | 49.7 | 0.93 |
| 13-Apr | 36 | 185 | 68.2 | 1.08 |
| 13-Apr | 37 | 185 | 72.9 | 1.15 |
| 13-Apr | 38 | 185 | 67.8 | 1.07 |
| 14-Apr | 39 | 190 | 58.2 | 0.85 |
| 14-Apr | 40 | 178 | 20.8 | 0.37 |
| 14-Apr | 41 | 128 | 20.8 | 0.99 |
| 14-Apr | 42 | 165 | 42.9 | 0.96 |
| 14-Apr | 43 | 180 | 41.9 | 0.72 |
| 14-Apr | 44 | 120 | 18.9 | 1.09 |

| PERIOD 2 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 20-Apr | 101 | 170 | 46.7 | 0.95 |
| 20-Apr | 102 | 185 | 59.4 | 0.94 |
| 20-Apr | 103 | 170 | 50.3 | 1.02 |
| 20-Apr | 104 | 170 | 46.8 | 0.95 |
| 20-Apr | 105 | 145 | 33.7 | 1.11 |
| 20-Apr | 106 | 135 | 27.5 | 1.12 |
| 20-Apr | 107 | 145 | 33.0 | 1.08 |
| 21-Apr | 108 | 175 | 47.6 | 0.89 |
| 21-Apr | 109 | 165 | 44.1 | 0.98 |
| 21-Apr | 110 | 170 | 46.9 | 0.95 |
| 21-Apr | 111 | 165 | 46.5 | 1.04 |
| 21-Apr | 112 | 170 | 45.5 | 0.93 |
| 21-Apr | 113 | 160 | 38.5 | 0.94 |
| 21-Apr | 114 | 170 | 47.5 | 0.97 |
| 21-Apr | 115 | 120 | 19.5 | 1.13 |
| 21-Apr | 116 | 185 | 66.3 | 1.05 |
| 21-Apr | 117 | 170 | 46.0 | 0.94 |
| 21-Apr | 118 | 165 | 42.0 | 0.93 |
| 21-Apr | 119 | 135 | 26.0 | 1.06 |
| 23-Apr | 120 | 140 | 37.4 | 1.36 |
| 23-Apr | 121 | 110 | 18.5 | 1.39 |
| 23-Apr | 122 | 130 | 24.3 | 1.11 |
| 23-Apr | 123 | 125 | 22.1 | 1.13 |
| 23-Apr | 124 | 120 | 18.9 | 1.09 |
| 23-Apr | 125 | 130 | 21.9 | 1.00 |
| 23-Apr | 126 | 180 | 66.6 | 1.14 |
| 23-Apr | 127 | 180 | 70.8 | 1.21 |
| 23-Apr | 128 | 130 | 24.3 | 1.11 |
| 26-Apr | 129 | 140 | 29.1 | 1.06 |
| 26-Apr | 130 | 115 | 17.3 | 1.14 |
| 26-Apr | 131 | 160 | 36.5 | 0.89 |
| 26-Apr | 132 | 160 | 39.7 | 0.97 |
| 26-Apr | 133 | 145 | 30.5 | 1.00 |
| 26-Apr | 134 | 130 | 22.1 | 1.01 |
| 26-Apr | 135 | 130 | 23.0 | 1.05 |
| 26-Apr | 136 | 125 | 19.6 | 1.00 |
| 26-Apr | 137 | 175 | 50.7 | 0.95 |
| 26-Apr | 138 | 180 | 32.9 | 0.56 |
| 28-Apr | 139 | 120 | 20.4 | 1.18 |
| 28-Apr | 140 | 185 | 64.4 | 1.02 |
| 28-Apr | 141 | 130 | 23.5 | 1.07 |
| 28-Apr | 142 | 135 | 27.7 | 1.13 |
| 28-Apr | 143 | 110 | 14.0 | 1.05 |
| 28-Apr | 144 | 170 | 46.3 | 0.94 |

| PERIOD 1 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 14-Apr | 45 | 190 | 63.8 | 0.93 |
| 14-Apr | 46 | 180 | 55.8 | 0.96 |
| 14-Apr | 47 | 177 | 50.0 | 0.90 |
| 14-Apr | 48 | 185 | 52.3 | 0.83 |
| 14-Apr | 49 | 170 | 45.5 | 0.93 |
| 15-Apr | 50 | 165 | 48.5 | 1.08 |
| 15-Apr | 51 | 170 | 46.3 | 0.94 |
| 15-Apr | 52 | 170 | 49.8 | 1.01 |
| 15-Apr | 53 | 185 | 60.9 | 0.96 |
| 15-Apr | 54 | 165 | 40.6 | 0.90 |
| 15-Apr | 55 | 175 | 42.4 | 0.79 |
| 15-Apr | 56 | 180 | 53.6 | 0.92 |
| 15-Apr | 57 | 195 | 65.7 | 0.89 |
| 15-Apr | 58 | 175 | 52.3 | 0.98 |
| 15-Apr | 59 | 110 | 15.4 | 1.16 |
| 16-Apr | 60 | 165 | 42.0 | 0.93 |
| 16-Apr | 61 | 170 | 49.0 | 1.00 |
| 16-Apr | 62 | 160 | 41.6 | 1.02 |
| 16-Apr | 63 | 165 | 42.3 | 0.94 |
| 16-Apr | 64 | 170 | 46.7 | 0.95 |
| 16-Apr | 65 | 160 | 29.2 | 0.71 |
| 16-Apr | 66 | 180 | 53.0 | 0.91 |
| 16-Apr | 67 | 170 | 48.7 | 0.99 |
| 16-Apr | 68 | 180 | 58.8 | 1.01 |
| 16-Apr | 69 | 185 | 58.4 | 0.92 |
| 16-Apr | 70 | 145 | 31.3 | 1.03 |
| 16-Apr | 71 | 180 | 37.6 | 0.64 |
| 17-Apr | 72 | 171 | 25.4 | 0.51 |
| 17-Apr | 73 | 184 | 30.5 | 0.49 |
| 17-Apr | 74 | 130 | 11.8 | 0.54 |
| 17-Apr | 75 | 171 | 25.2 | 0.50 |
| 17-Apr | 76 | 142 | 15.8 | 0.55 |
| 17-Apr | 77 | 165 | 24.7 | 0.55 |
| 17-Apr | 78 | 124 | 10.2 | 0.53 |
| 17-Apr | 79 | 140 | 16.5 | 0.60 |
| 17-Apr | 80 | 181 | 32.3 | 0.54 |
| 17-Apr | 81 | 144 | 16.1 | 0.54 |
| 18-Apr | 82 | 170 | 49.8 | 1.01 |
| 18-Apr | 83 | 175 | 53.6 | 1.00 |
| 18-Apr | 84 | 180 | 55.6 | 0.95 |
| 18-Apr | 85 | 190 | 76.3 | 1.11 |
| 18-Apr | 86 | 180 | 54.3 | 0.93 |
| 18-Apr | 87 | 190 | 63.6 | 0.93 |
| 18-Apr | 88 | 160 | 42.4 | 1.04 |
| 18-Apr | 89 | 170 | 49.1 | 1.00 |
| 18-Apr | 90 | 160 | 47.6 | 1.16 |

| PERIOD 2 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 28-Apr | 145 | 130 | 22.0 | 1.00 |
| 28-Apr | 146 | 130 | 25.1 | 1.14 |
| 28-Apr | 147 | 110 | 14.1 | 1.06 |
| 28-Apr | 148 | 135 | 27.8 | 1.13 |
| 28-Apr | 149 | 170 | 46.7 | 0.95 |
| 30-Apr | 150 | 175 | 46.6 | 0.87 |
| 30-Apr | 151 | 170 | 49.0 | 1.00 |
| 30-Apr | 152 | 135 | 27.1 | 1.10 |
| 30-Apr | 153 | 135 | 26.9 | 1.09 |
| 30-Apr | 154 | 135 | 26.0 | 1.06 |
| 30-Apr | 155 | 130 | 23.0 | 1.05 |
| 30-Apr | 156 | 190 | 59.2 | 0.86 |
| 30-Apr | 157 | 115 | 16.3 | 1.07 |
| 1-May | 158 | 125 | 20.0 | 1.02 |
| 1-May | 159 | 130 | 25.0 | 1.14 |
| 1-May | 160 | 160 | 37.2 | 0.91 |
| 1-May | 161 | 160 | 37.2 | 0.91 |
| 1-May | 162 | 155 | 34.8 | 0.93 |
| 1-May | 163 | 130 | 25.1 | 1.14 |
| 1-May | 164 | 125 | 21.3 | 1.09 |
| 1-May | 165 | 190 | 66.9 | 0.98 |
| 1-May | 166 | 140 | 28.9 | 1.05 |
| 1-May | 167 | 170 | 48.1 | 0.98 |
| 1-May | 168 | 115 | 14.1 | 0.93 |
| 1-May | 169 | 130 | 23.6 | 1.07 |
| 2-May | 170 | 200 | 77.6 | 0.97 |
| 2-May | 171 | 155 | 36.3 | 0.97 |
| 2-May | 172 | 155 | 39.0 | 1.05 |
| 2-May | 173 | 175 | 48.5 | 0.90 |
| 2-May | 174 | 165 | 42.5 | 0.95 |
| 2-May | 175 | 185 | 62.6 | 0.99 |
| 2-May | 176 | 170 | 45.3 | 0.92 |
| 2-May | 177 | 170 | 45.4 | 0.92 |
| 2-May | 178 | 120 | 19.4 | 1.12 |
| 2-May | 179 | 160 | 43.4 | 1.06 |
| 2-May | 180 | 175 | 51.6 | 0.96 |
| 2-May | 181 | 180 | 57.7 | 0.99 |
| 4-May | 182 | 185 | 41.4 | 0.65 |
| 4-May | 183 | 125 | 19.3 | 0.99 |
| 4-May | 184 | 137 | 28.5 | 1.11 |
| 4-May | 185 | 180 | 32.3 | 0.55 |
| 4-May | 186 | 125 | 21.2 | 1.09 |
| 4-May | 187 | 180 | 55.2 | 0.95 |
| 4-May | 188 | 160 | 38.3 | 0.94 |
| 4-May | 189 | 163 | 43.3 | 1.00 |
| 4-May | 190 | 130 | 24.5 | 1.12 |

| PERIOD 1 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 18-Apr | 91 | 145 | 33.7 | 1.11 |
| 18-Apr | 92 | 180 | 54.8 | 0.94 |
| 18-Apr | 93 | 175 | 48.4 | 0.90 |
| 18-Apr | 94 | 160 | 47.4 | 1.16 |
| 18-Apr | 95 | 165 | 43.2 | 0.96 |
| 20-Apr | 96 | 175 | 55.4 | 1.03 |
| 20-Apr | 97 | 130 | 24.2 | 1.10 |
| 20-Apr | 98 | 175 | 54.2 | 1.01 |
| 20-Apr | 99 | 170 | 46.3 | 0.94 |
| 20-Apr | 100 | 130 | 23.3 | 1.06 |
| Avg | | 159.5 | 38.1 | 0.89 |
| Min | | 70.0 | 4.9 | 0.37 |
| Max | | 195.0 | 76.3 | 1.43 |
| SD | | 25.9 | 17.4 | 0.22 |

| PERIOD 2 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 4-May | 191 | 132 | 28.6 | 1.24 |
| 4-May | 192 | 132 | 23.7 | 1.03 |
| 5-May | 193 | 102 | 13.4 | 1.26 |
| 5-May | 194 | 101 | 13.9 | 1.35 |
| 5-May | 195 | 143 | 30.1 | 1.03 |
| 5-May | 196 | 144 | 29.9 | 1.00 |
| 5-May | 197 | 130 | 23.5 | 1.07 |
| 5-May | 198 | 123 | 20.1 | 1.08 |
| 5-May | 199 | 108 | 13.0 | 1.03 |
| 5-May | 200 | 125 | 18.8 | 0.96 |
| Avg | | 148.5 | 35.0 | 1.02 |
| Min | | 101.0 | 13.0 | 0.55 |
| Max | | 200.0 | 77.6 | 1.39 |
| SD | | 24.5 | 15.0 | 0.13 |

| PERIOD 3 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 5-May | 201 | 171 | 42.6 | 0.85 |
| 5-May | 202 | 147 | 29.0 | 0.91 |
| 5-May | 203 | 155 | 48.2 | 1.29 |
| 5-May | 204 | 135 | 27.0 | 1.10 |
| 5-May | 205 | 130 | 24.6 | 1.12 |
| 5-May | 206 | 105 | 14.0 | 1.21 |
| 5-May | 207 | 124 | 22.1 | 1.16 |
| 5-May | 208 | 105 | 13.4 | 1.16 |
| 5-May | 209 | 132 | 23.1 | 1.00 |
| 5-May | 210 | 127 | 22.8 | 1.11 |
| 6-May | 211 | 168 | 47.4 | 1.00 |
| 6-May | 212 | 124 | 20.8 | 1.09 |
| 6-May | 213 | 124 | 20.0 | 1.05 |
| 6-May | 214 | 125 | 23.6 | 1.21 |
| 6-May | 215 | 140 | 28.9 | 1.05 |
| 6-May | 216 | 120 | 21.5 | 1.24 |
| 6-May | 217 | 185 | 65.0 | 1.03 |
| 6-May | 218 | 166 | 49.0 | 1.07 |
| 6-May | 219 | 168 | 55.0 | 1.16 |
| 6-May | 220 | 179 | 57.0 | 0.99 |
| 6-May | 221 | 130 | 30.0 | 1.37 |
| 7-May | 222 | 124 | 25.0 | 1.31 |
| 7-May | 223 | 130 | 29.0 | 1.32 |
| 7-May | 224 | 138 | 27.0 | 1.03 |
| 7-May | 225 | 172 | 46.0 | 0.90 |
| 7-May | 226 | 173 | 51.0 | 0.98 |
| 7-May | 227 | 167 | 42.0 | 0.90 |
| 7-May | 228 | 132 | 24.5 | 1.07 |
| 7-May | 229 | 125 | 20.6 | 1.05 |

| PERIOD 4 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 16-May | 301 | 135 | 26.8 | 1.09 |
| 18-May | 302 | 135 | 26.7 | 1.09 |
| 18-May | 303 | 135 | 27.0 | 1.10 |
| 18-May | 304 | 136 | 29.8 | 1.18 |
| 18-May | 305 | 135 | 23.7 | 0.96 |
| 18-May | 306 | 140 | 28.9 | 1.05 |
| 18-May | 307 | 142 | 27.5 | 0.96 |
| 18-May | 308 | 140 | 30.1 | 1.10 |
| 18-May | 309 | 140 | 28.1 | 1.02 |
| 18-May | 310 | 140 | 29.1 | 1.06 |
| 18-May | 311 | 142 | 29.4 | 1.03 |
| 18-May | 312 | 140 | 27.9 | 1.02 |
| 18-May | 313 | 140 | 27.5 | 1.00 |
| 19-May | 314 | 143 | 29.1 | 1.00 |
| 19-May | 315 | 140 | 27.0 | 0.98 |
| 19-May | 316 | 140 | 29.2 | 1.06 |
| 19-May | 317 | 140 | 29.1 | 1.06 |
| 19-May | 318 | 140 | 29.1 | 1.06 |
| 19-May | 319 | 140 | 30.9 | 1.13 |
| 19-May | 320 | 145 | 32.6 | 1.07 |
| 19-May | 321 | 145 | 31.0 | 1.02 |
| 19-May | 322 | 145 | 30.6 | 1.00 |
| 19-May | 323 | 145 | 27.8 | 0.91 |
| 19-May | 324 | 148 | 30.8 | 0.95 |
| 19-May | 325 | 150 | 33.6 | 1.00 |
| 19-May | 326 | 150 | 28.7 | 0.85 |
| 19-May | 327 | 150 | 33.6 | 1.00 |
| 19-May | 328 | 160 | 49.9 | 1.22 |
| 19-May | 329 | 170 | 42.3 | 0.86 |

| PERIOD 3 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 7-May | 230 | 135 | 26.0 | 1.06 |
| 7-May | 231 | 120 | 18.0 | 1.04 |
| 7-May | 232 | 135 | 27.1 | 1.10 |
| 7-May | 233 | 123 | 17.5 | 0.94 |
| 7-May | 234 | 255 | 155.3 | 0.94 |
| 8-May | 235 | 135 | 26.3 | 1.07 |
| 8-May | 236 | 132 | 26.8 | 1.17 |
| 8-May | 237 | 135 | 28.2 | 1.15 |
| 8-May | 238 | 133 | 20.0 | 0.85 |
| 8-May | 239 | 135 | 27.9 | 1.13 |
| 8-May | 240 | 123 | 20.1 | 1.08 |
| 8-May | 241 | 145 | 32.0 | 1.05 |
| 8-May | 242 | 136 | 27.8 | 1.11 |
| 8-May | 243 | 142 | 33.5 | 1.17 |
| 8-May | 244 | 160 | 41.3 | 1.01 |
| 8-May | 245 | 115 | 18.0 | 1.18 |
| 8-May | 246 | 120 | 20.8 | 1.20 |
| 8-May | 247 | 118 | 20.0 | 1.22 |
| 8-May | 248 | 133 | 24.0 | 1.02 |
| 9-May | 249 | 130 | 21.7 | 0.99 |
| 9-May | 250 | 121 | 20.6 | 1.16 |
| 9-May | 251 | 126 | 22.0 | 1.10 |
| 9-May | 252 | 130 | 25.6 | 1.17 |
| 9-May | 253 | 140 | 37.8 | 1.38 |
| 9-May | 254 | 138 | 30.0 | 1.14 |
| 9-May | 255 | 127 | 26.2 | 1.28 |
| 9-May | 256 | 125 | 24.6 | 1.26 |
| 9-May | 257 | 114 | 16.0 | 1.08 |
| 10-May | 258 | 143 | 35.0 | 1.20 |
| 10-May | 259 | 140 | 27.2 | 0.99 |
| 10-May | 260 | 123 | 25.2 | 1.35 |
| 10-May | 261 | 115 | 17.8 | 1.17 |
| 10-May | 262 | 150 | 37.8 | 1.12 |
| 10-May | 263 | 145 | 30.0 | 0.98 |
| 10-May | 264 | 120 | 22.0 | 1.27 |
| 10-May | 265 | 117 | 18.7 | 1.17 |
| 10-May | 266 | 154 | 37.0 | 1.01 |
| 10-May | 267 | 146 | 32.0 | 1.03 |
| 10-May | 268 | 135 | 29.0 | 1.18 |
| 10-May | 269 | 92 | 11.0 | 1.41 |
| 10-May | 270 | 194 | 70.5 | 0.97 |
| 10-May | 271 | 153 | 38.7 | 1.08 |
| 10-May | 272 | 126 | 22.0 | 1.10 |
| 10-May | 273 | 117 | 17.4 | 1.09 |
| 10-May | 274 | 103 | 13.0 | 1.19 |
| 10-May | 275 | 126 | 24.1 | 1.20 |

| PERIOD 4 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 19-May | 330 | 155 | 34.1 | 0.92 |
| 19-May | 331 | 150 | 35.4 | 1.05 |
| 19-May | 332 | 155 | 34.8 | 0.93 |
| 21-May | 333 | 110 | 14.5 | 1.09 |
| 21-May | 334 | 110 | 11.4 | 0.86 |
| 21-May | 335 | 110 | 13.0 | 0.98 |
| 21-May | 336 | 110 | 17.9 | 1.34 |
| 21-May | 337 | 110 | 14.0 | 1.05 |
| 21-May | 338 | 110 | 13.6 | 1.02 |
| 21-May | 339 | 110 | 16.0 | 1.20 |
| 21-May | 340 | 110 | 12.3 | 0.92 |
| 21-May | 341 | 110 | 18.3 | 1.37 |
| 21-May | 342 | 110 | 16.4 | 1.23 |
| 21-May | 343 | 110 | 14.6 | 1.10 |
| 21-May | 344 | 110 | 14.1 | 1.06 |
| 21-May | 345 | 118 | 18.7 | 1.14 |
| 21-May | 346 | 115 | 19.1 | 1.26 |
| 21-May | 347 | 115 | 23.2 | 1.53 |
| 21-May | 348 | 115 | 17.3 | 1.14 |
| 21-May | 349 | 115 | 16.5 | 1.08 |
| 22-May | 350 | 115 | 20.0 | 1.32 |
| 22-May | 351 | 115 | 18.0 | 1.18 |
| 22-May | 352 | 115 | 17.0 | 1.12 |
| 22-May | 353 | 115 | 15.0 | 0.99 |
| 22-May | 354 | 116 | 17.0 | 1.09 |
| 22-May | 355 | 115 | 15.0 | 0.99 |
| 22-May | 356 | 115 | 17.0 | 1.12 |
| 22-May | 357 | 120 | 18.4 | 1.06 |
| 22-May | 358 | 122 | 20.0 | 1.10 |
| 22-May | 359 | 120 | 18.0 | 1.04 |
| 22-May | 360 | 120 | 19.0 | 1.10 |
| 22-May | 361 | 120 | 19.0 | 1.10 |
| 22-May | 362 | 120 | 20.0 | 1.16 |
| 22-May | 363 | 120 | 20.0 | 1.16 |
| 22-May | 364 | 120 | 18.0 | 1.04 |
| 22-May | 365 | 120 | 17.3 | 1.00 |
| 22-May | 366 | 122 | 20.0 | 1.10 |
| 22-May | 367 | 122 | 19.0 | 1.05 |
| 22-May | 368 | 120 | 16.4 | 0.95 |
| 22-May | 369 | 120 | 17.0 | 0.98 |
| 24-May | 370 | 128 | 22.0 | 1.05 |
| 24-May | 371 | 126 | 23.5 | 1.17 |
| 24-May | 372 | 128 | 20.8 | 0.99 |
| 24-May | 373 | 128 | 21.0 | 1.00 |
| 24-May | 374 | 125 | 17.0 | 0.87 |
| 24-May | 375 | 125 | 20.0 | 1.02 |

| PERIOD 3 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 15-May | 276 | 128 | 14.5 | 0.69 |
| 15-May | 277 | 125 | 22.5 | 1.15 |
| 15-May | 278 | 125 | 22.0 | 1.13 |
| 15-May | 279 | 125 | 23.1 | 1.18 |
| 15-May | 280 | 125 | 20.0 | 1.02 |
| 15-May | 281 | 125 | 20.4 | 1.04 |
| 15-May | 282 | 129 | 22.8 | 1.06 |
| 15-May | 283 | 128 | 24.0 | 1.14 |
| 15-May | 284 | 125 | 22.6 | 1.16 |
| 15-May | 285 | 125 | 19.3 | 0.99 |
| 15-May | 286 | 125 | 21.5 | 1.10 |
| 15-May | 287 | 125 | 20.8 | 1.06 |
| 15-May | 288 | 125 | 17.9 | 0.92 |
| 16-May | 289 | 125 | 20.6 | 1.05 |
| 16-May | 290 | 134 | 26.6 | 1.11 |
| 16-May | 291 | 130 | 22.7 | 1.03 |
| 16-May | 292 | 132 | 23.4 | 1.02 |
| 16-May | 293 | 130 | 22.7 | 1.03 |
| 16-May | 294 | 130 | 22.8 | 1.04 |
| 16-May | 295 | 130 | 23.6 | 1.07 |
| 16-May | 296 | 130 | 24.9 | 1.13 |
| 16-May | 297 | 130 | 22.0 | 1.00 |
| 16-May | 298 | 130 | 25.5 | 1.16 |
| 16-May | 299 | 135 | 25.4 | 1.03 |
| 16-May | 300 | 126 | 21.9 | 1.09 |
| Avg | | 135.0 | 28.5 | 1.10 |
| Min | | 92.0 | 11.0 | 0.69 |
| Max | | 255.0 | 155.3 | 1.41 |
| SD | | 21.2 | 16.7 | 0.12 |

| PERIOD 4 | | | | |
|---|---|---|---|---|
| Date | Fish | Length | Weight | KC |
| 24-May | 376 | 125 | 19.0 | 0.97 |
| 24-May | 377 | 128 | 20.0 | 0.95 |
| 24-May | 378 | 125 | 20.0 | 1.02 |
| 24-May | 379 | 125 | 22.0 | 1.13 |
| 24-May | 380 | 125 | 21.0 | 1.08 |
| 24-May | 381 | 130 | 22.6 | 1.03 |
| 24-May | 382 | 130 | 22.6 | 1.03 |
| 24-May | 383 | 125 | 21.0 | 1.08 |
| 26-May | 384 | 85 | 7.3 | 1.19 |
| 26-May | 385 | 93 | 8.1 | 1.01 |
| 26-May | 386 | 90 | 7.7 | 1.06 |
| 26-May | 387 | 98 | 9.8 | 1.04 |
| 26-May | 388 | 100 | 11.0 | 1.10 |
| 26-May | 389 | 100 | 11.0 | 1.10 |
| 26-May | 390 | 108 | 13.0 | 1.03 |
| 26-May | 391 | 108 | 12.0 | 0.95 |
| 26-May | 392 | 105 | 11.0 | 0.95 |
| 26-May | 393 | 113 | 12.1 | 0.84 |
| 26-May | 394 | 110 | 13.9 | 1.04 |
| 26-May | 395 | 112 | 14.7 | 1.05 |
| 26-May | 396 | 110 | 12.6 | 0.95 |
| 26-May | 397 | 110 | 13.6 | 1.02 |
| 26-May | 398 | 115 | 15.6 | 1.03 |
| 26-May | 399 | 118 | 17.6 | 1.07 |
| 26-May | 400 | 123 | 17.5 | 0.94 |
| Avg | | 124.5 | 21.2 | 1.05 |
| Min | | 85.0 | 7.3 | 0.84 |
| Max | | 170.0 | 49.9 | 1.53 |
| SD | | 16.1 | 7.8 | 0.11 |

**Appendix F. Daily water level and temperature during the fall 2008 adult migration period.**

| Date | Water Temp (°C) | Air Temp (°C) | Water Level (cm) | Weather Code | Comment |
|---|---|---|---|---|---|
| 07-Oct | 10.0 | 7.0 | 100 | 1 | |
| 08-Oct | 10.0 | 6.0 | 86 | 1 | |
| 09-Oct | 10.0 | 3.0 | 86 | 1\2 | |
| 10-Oct | 10.0 | 3.0 | 86 | 1 | |
| 11-Oct | 4.0 | -1.0 | 82 | 1\2 | |
| 12-Oct | 8.0 | 8.0 | 76 | 1\2 | |
| 13-Oct | 8.0 | 8.0 | 76 | 2\3 | |
| 14-Oct | 8.0 | 9.0 | 76 | 1\2 | |
| 15-Oct | 7.0 | 8.0 | 75 | 1\2 | Air temp -1 to 8 |
| 16-Oct | 8.0 | 6.0 | 76 | 3 | |
| 17-Oct | 8.8 | 10.1 | 87 | 2 | Water level up, overnight rain |
| 18-Oct | 7.0 | 2.0 | 91 | 1 | |
| 19-Oct | 6.8 | 3.8 | 92 | 2 | |
| 20-Oct | 6.9 | 6.4 | 85 | 1\2 | 1 Chum |
| 21-Oct | 6.9 | 2.6 | 84 | 1\2 | |
| 22-Oct | 6.0 | 2.4 | 86 | 1 | |
| 23-Oct | 6.9 | 5.0 | 90 | 1 | |
| 24-Oct | 7.0 | 6.0 | 86 | 1\2 | Sunny AM Rain PM |
| 25-Oct | 7.9 | 6.0 | 86 | 1 | Sunny AM |
| 26-Oct | 7.1 | 1.0 | 82 | 1 | Sunny low flow |
| 27-Oct | 7.1 | -1.0 | 88 | 1 | Sunny |
| 28-Oct | 6.9 | 0.0 | 88 | 1\2 | 1\2 Overcast |
| 29-Oct | 6.4 | 9.4 | 60 | 2 | Overcast |
| 30-Oct | 7.0 | 9.5 | 92 | 2 | Overcast |
| 31-Oct | 6.9 | 9.0 | 120 | 2 | |
| 01-Nov | 9.0 | 10.1 | 115 | 2 | |
| 02-Nov | 9.1 | 9.6 | 150 | 2 | High water levels at fence |
| 03-Nov | 7.4 | 3.7 | 138 | 2 | |
| 04-Nov | 7.1 | 5.8 | 130 | 1 | |
| 05-Nov | 5.9 | 0.7 | 126 | 2 | |
| 06-Nov | 6.4 | 7.1 | 130 | 3 | |
| 07-Nov | 7.4 | 9.3 | 120 | 3 | |
| 08-Nov | 9.0 | 11.4 | 180 | 3 | Over Fence Today |
| 09-Nov | 9.2 | 9.7 | 182 | 2 | Over Fence Today |
| 10-Nov | 8.9 | 5.0 | 184 | 2 | Over Fence Today |
| 11-Nov | 8.9 | 7.0 | 130 | 2 | Rain & Wind |
| 12-Nov | 8.6 | 9.0 | 128 | 2 | |
| 13-Nov | 8.8 | 6.0 | 122 | 1 | |
| 14-Nov | 7.9 | 6.9 | 128 | 2 | |
| 15-Nov | 8.3 | 9.5 | 122 | 3 | |
| 18-Nov | 8.1 | 7.2 | 128 | 1 | Level Dropping Below Gate |

**Appendix G. Adult coho data, Black Creek fall fence, 2008.**

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 7-Oct | M | 2 | 56 | Y | Yellow | 201 | 80516 | 1 | |
| 7-Oct | F | 1 | 57 | Y | Yellow | 202 | 80516 | 2 | |
| 7-Oct | J | 1 | 31 | N | Yellow | | | | |
| 7-Oct | M | 1 | 65 | N | Yellow | 203 | 80516 | 3 | |
| 7-Oct | J | 1 | 36 | N | Yellow | | | | |
| 7-Oct | J | 1 | 37 | N | Yellow | | | | |
| 7-Oct | F | 1 | 67 | Y | Yellow | 204 | 80516 | 4 | |
| 7-Oct | J | 1 | 35 | N | Yellow | | | | |
| 7-Oct | J | 1 | 35 | N | Yellow | | | | |
| 7-Oct | J | 1 | 34 | N | Yellow | | | | |
| 7-Oct | J | 1 | 33 | N | Yellow | | | | |
| 7-Oct | J | 1 | 35 | N | Yellow | | | | |
| 7-Oct | M | 1 | 70 | N | Yellow | 205 | 80516 | 5 | |
| 7-Oct | J | 1 | 37 | N | Yellow | | | | |
| 7-Oct | J | 1 | 37 | N | Yellow | | | | |
| 7-Oct | J | 1 | 37 | N | Yellow | | | | |
| 7-Oct | J | 1 | 35 | Y | Yellow | | | | |
| 7-Oct | J | 1 | 30 | N | Yellow | | | | |
| 7-Oct | J | 1 | 30 | N | Yellow | | | | |
| 7-Oct | F | 1 | 57 | N | Yellow | 207 | 80516 | 6 | 206 WASTED |
| 7-Oct | J | 1 | 37 | Y | Yellow | | | | |
| 7-Oct | J | 1 | 35 | N | Yellow | | | | |
| 7-Oct | F | 1 | 70 | N | Yellow | 208 | 80516 | 7 | |
| 7-Oct | M | 1 | 65 | N | Yellow | 209 | 80516 | 8 | |
| 7-Oct | M | 1 | 75 | N | Yellow | 210 | 80516 | 9 | |
| 8-Oct | J | 1 | 30 | N | Yellow | | | | |
| 8-Oct | J | 1 | 30 | N | Yellow | | | | |
| 17-Oct | M | 2 | 77 | N | Yellow | 211 | | | |
| 17-Oct | F | 2 | 76 | N | Yellow | 212 | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | F | 2 | 70 | N | Yellow | 213 | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | M | 2 | 68 | N | Yellow | 214 | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | Y | Yellow | | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | F | 2 | 59 | N | Yellow | 215 | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | M | 2 | 75 | N | Yellow | 216 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 26 | Y | Yellow | | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | 2 Cutthroat |
| 17-Oct | F | 2 | 67 | N | Yellow | 265 | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | F | 2 | 65 | N | Yellow | 266 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 17-Oct | M | 1 | 66 | N | Yellow | 269 | | | 267/268 WASTED |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | F | 1 | 61 | N | Yellow | 273 | | | 270/271/272 WASTED |
| 17-Oct | J | 2 | 29 | - | Yellow | | | | |
| 17-Oct | J | 2 | 26 | - | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | F | 2 | 50 | N | Yellow | 260 | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | F | 2 | 56 | N | Yellow | 261 | | | |
| 17-Oct | F | 2 | 70 | N | Yellow | 262 | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | F | 2 | 63 | N | Yellow | | | | Unable to Tag |
| 17-Oct | J | 1 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 26 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | 5 Cutthroat |
| 17-Oct | F | 2 | 50 | N | Yellow | 264 | | | 263 WASTED |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 26 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | F | 2 | 75 | N | Yellow | 247 | | | |
| 17-Oct | M | 2 | 69 | N | Yellow | 248 | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | F | 2 | 61 | N | Yellow | 250 | | | 249 WASTED |
| 17-Oct | F | 2 | 60 | N | Yellow | 251 | | | |
| 17-Oct | F | 2 | 60 | N | Yellow | 252 | | | |
| 17-Oct | J | 2 | 26 | N | Yellow | | | | |
| 17-Oct | M | 2 | 78 | N | Yellow | 253 | | | |
| 17-Oct | M | 2 | 79 | N | Yellow | 254 | | | |
| 17-Oct | J | 2 | 25 | N | Yellow | | | | |
| 17-Oct | M | 2 | 79 | Y | Yellow | 255 | | | |
| 17-Oct | F | 1 | 67 | N | Yellow | 256 | | | |
| 17-Oct | F | 1 | 67 | N | Yellow | 257 | | | |
| 17-Oct | F | 2 | 69 | N | Yellow | 258 | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 3 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 3 | 35 | N | Yellow | | | | |
| 17-Oct | J | 1 | 36 | N | Yellow | | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | J | 2 | 34 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | F | 2 | 67 | N | Yellow | 244 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | M | 3 | 70 | N | Yellow | 245 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | F | 2 | 47 | N | Yellow | 246 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | F | 2 | 69 | N | Yellow | 236 | | | |
| 17-Oct | M | 2 | 71 | N | Yellow | 237 | | | |
| 17-Oct | M | 2 | 76 | N | Yellow | 238 | | | Lively Predator Scar |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | M | 2 | 61 | N | Yellow | 239 | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | M | 2 | 76 | N | Yellow | 240 | | | |
| 17-Oct | M | 2 | 70 | N | Yellow | 241 | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 17-Oct | J | 2 | 34 | - | Yellow | | | | |
| 17-Oct | J | 2 | 29 | - | Yellow | | | | |
| 17-Oct | M | 2 | 66 | N | Yellow | 228 | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | F | 2 | 64 | N | Yellow | 229 | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | F | 2 | 72 | N | Yellow | | | | Unable to Tag |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | F | 2 | 70 | N | Yellow | 230 | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | Y | Yellow | | | | |
| 17-Oct | F | 2 | 67 | N | Yellow | 231 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | F | 2 | 66 | N | Yellow | 232 | | | |
| 17-Oct | J | 3 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 28 | N | Yellow | | | | |
| 17-Oct | F | 2 | 70 | N | Yellow | 234 | | | 233 WASTED |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | M | 2 | 71 | N | Yellow | 235 | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 34 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 34 | N | Yellow | | | | |
| 17-Oct | J | 2 | 34 | Y | Yellow | | | | |
| 17-Oct | F | 2 | 68 | N | Yellow | 223 | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | F | 2 | 63 | N | Yellow | 224 | | | 8 Cutthroats |
| 17-Oct | F | 2 | 61 | N | Yellow | 225 | | | |
| 17-Oct | J | 2 | 37 | N | Yellow | | | | |
| 17-Oct | J | 2 | 26 | N | Yellow | | | | |
| 17-Oct | F | 2 | 68 | N | Yellow | 227 | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | M | 2 | 77 | N | Yellow | 217 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | F | 2 | 56 | N | Yellow | 218 | | | |
| 17-Oct | F | 1 | 45 | N | Yellow | 219 | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | F | 2 | 76 | N | Yellow | 220 | | | |
| 17-Oct | F | 2 | 72 | N | Yellow | 221 | | | |
| 17-Oct | J | 2 | 35 | N | Yellow | | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | J | 2 | 36 | N | Yellow | | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | F | 2 | 65 | N | Yellow | 222 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | F | 1 | 62 | N | Yellow | 274 | | | 1-Cutthroat |
| 17-Oct | F | 2 | 74 | N | Yellow | 275 | | | Predator Scar |
| 17-Oct | F | 1 | 60 | N | Yellow | 276 | | | |
| 17-Oct | F | 2 | 71 | N | Yellow | 277 | | | |
| 17-Oct | F | 1 | 58 | N | Yellow | 278 | | | |
| 17-Oct | J | 2 | 31 | N | Yellow | | | | |
| 17-Oct | M | 2 | 58 | N | Yellow | 279 | | | |
| 17-Oct | J | 2 | 32 | N | Yellow | | | | |
| 17-Oct | M | 2 | 70 | N | Yellow | 281 | | | 280 WASTED |
| 17-Oct | J | 2 | 30 | N | Yellow | | | | |
| 17-Oct | J | 2 | 29 | N | Yellow | | | | |
| 17-Oct | J | 2 | 33 | N | Yellow | | | | |
| 17-Oct | M | 2 | 79 | N | Yellow | | | | |
| 17-Oct | M | 2 | 69 | N | Yellow | | | | |
| 17-Oct | M | 1 | 80 | N | Yellow | | | | |
| 17-Oct | J | 2 | 27 | N | Yellow | | | | |
| 18-Oct | J | 2 | 36 | N | Yellow | 286 | 80516 | 10 | |
| 18-Oct | M | 2 | 75 | N | Yellow | 287 | 80517 | 1 | |
| 18-Oct | M | 2 | 65 | N | Yellow | | | | |
| 31-Oct | J | 2 | 37 | N | Yellow | | | | |
| 31-Oct | M | 2 | 65 | N | Yellow | 288 | | | |
| 31-Oct | J | 2 | 32 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | |
| 31-Oct | J | 2 | 36 | N | Yellow | | | | |
| 31-Oct | J | 2 | 38 | N | Yellow | | | | |
| 31-Oct | J | 2 | 36 | Y | Yellow | | | | |
| 31-Oct | J | 2 | 37 | N | Yellow | | | | |
| 31-Oct | J | 2 | 38 | N | Yellow | | | | |
| 31-Oct | J | 1 | 32 | - | Yellow | | | | |
| 31-Oct | F | 2 | 80 | N | Yellow | 291 | | | 290 WASTED |
| 31-Oct | J | 2 | 42 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | |
| 31-Oct | J | 2 | 31 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | 1 Trout Escaped |
| 31-Oct | M | 2 | 66 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | |
| 31-Oct | M | 2 | 65 | N | Yellow | 294 | | | 292/293 WASTED |
| 31-Oct | F | 2 | 64 | N | Yellow | 295 | | | |
| 31-Oct | J | 2 | 40 | N | Yellow | | | | |
| 31-Oct | M | 3 | 70 | N | Yellow | 296 | | | |
| 31-Oct | J | 2 | 33 | N | Yellow | | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | 1 Trout |
| 31-Oct | M | 3 | 55 | N | Yellow | 298 | 80518 | 1 | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 31-Oct | M | 3 | 60 | N | Yellow | 299 | 80518 | 2 | |
| 31-Oct | J | 2 | 39 | N | Yellow | | | | |
| 31-Oct | M | 3 | 70 | - | Yellow | 300 | 80518 | 3 | 1 Trout |
| 31-Oct | F | 3 | 68 | N | Yellow | 301 | 80518 | 4 | |
| 31-Oct | F | 3 | 65 | N | Yellow | 302 | 80518 | 5 | |
| 31-Oct | M | 2 | 75 | Y | Yellow | 303 | 80518 | 6 | |
| 31-Oct | F | 2 | 76 | Y | Yellow | 304 | 80518 | 7 | |
| 31-Oct | M | 2 | 69 | N | Yellow | 305 | 80518 | 8 | |
| 31-Oct | F | 2 | 69 | N | Yellow | 306 | 80518 | 9 | |
| 31-Oct | M | 2 | 78 | N | Yellow | 308 | 80518 | 10 | 307 WASTED |
| 31-Oct | M | 2 | 71 | N | Yellow | 310 | | | 309 WASTED |
| 31-Oct | M | 2 | 67 | N | Yellow | 312 | | | 311 WASTED |
| 31-Oct | J | 2 | 37 | N | Yellow | | | | |
| 31-Oct | F | 2 | 66 | N | Yellow | 313 | | | |
| 31-Oct | F | 2 | 72 | - | Yellow | 317 | | | 314/315/316 WASTED |
| 31-Oct | F | 2 | 78 | N | Yellow | 318 | | | |
| 31-Oct | F | 2 | 74 | N | Yellow | 319 | | | |
| 31-Oct | M | 2 | 64 | N | Yellow | 320 | | | |
| 31-Oct | F | 2 | 71 | N | Yellow | 321 | | | |
| 31-Oct | F | 2 | 75 | N | Yellow | 322 | | | |
| 31-Oct | M | 2 | 76 | N | Yellow | 324 | | | 323 WASTED |
| 31-Oct | F | 2 | 64 | Y | Yellow | 325 | | | |
| 31-Oct | F | 2 | 65 | N | Yellow | 326 | | | |
| 31-Oct | M | 2 | 75 | N | Yellow | 327 | | | |
| 31-Oct | F | 2 | 72 | N | Yellow | 328 | | | |
| 31-Oct | F | 2 | 65 | N | Yellow | 329 | | | |
| 31-Oct | M | 2 | 75 | N | Yellow | 330 | | | |
| 31-Oct | M | 2 | 68 | N | Yellow | 331 | | | |
| 31-Oct | M | 2 | 70 | N | Yellow | 332 | | | |
| 31-Oct | F | 2 | 75 | Y | Yellow | 333 | | | |
| 31-Oct | F | 2 | 75 | N | Yellow | 334 | | | |
| 31-Oct | J | 2 | 36 | N | Yellow | | | | |
| 31-Oct | J | 2 | 35 | N | Yellow | | | | |
| 31-Oct | J | 2 | 32 | N | Yellow | | | | |
| 31-Oct | F | 2 | 74 | N | Yellow | 335 | | | Trout- Predator Marks |
| 31-Oct | J | 2 | 40 | N | Yellow | | | | |
| 31-Oct | M | 2 | 74 | N | Yellow | 336 | | | |
| 31-Oct | F | 2 | 77 | N | Yellow | 337 | | | |
| 31-Oct | F | 2 | 69 | N | Yellow | 338 | | | |
| 31-Oct | F | 2 | 68 | N | Yellow | 340 | | | 339 WASTED |
| 31-Oct | M | 2 | 70 | N | Yellow | 341 | | | |
| 31-Oct | J | 2 | 34 | N | Yellow | | | | |
| 31-Oct | J | 2 | 32 | N | Yellow | | | | |
| 31-Oct | F | 2 | 70 | N | Yellow | 342 | | | |
| 31-Oct | M | 2 | 77 | N | Yellow | 343 | | | |
| 31-Oct | F | 2 | 75 | N | Yellow | 344 | | | |
| 31-Oct | M | 2 | 81 | N | Yellow | 345 | | | |
| 31-Oct | M | 2 | 63 | N | Yellow | 346 | | | |
| 31-Oct | M | 2 | 76 | N | Yellow | 347 | | | |
| 31-Oct | M | 2 | 79 | N | Yellow | 348 | | | |
| 31-Oct | M | 2 | 83 | N | Yellow | 349 | | | |
| 31-Oct | F | 2 | 70 | N | Yellow | 350 | | | |
| 31-Oct | M | 2 | 71 | N | Yellow | 351 | | | |
| 31-Oct | F | 2 | 71 | N | Yellow | 352 | | | |
| 31-Oct | F | 2 | 72 | N | Yellow | 353 | | | |
| 31-Oct | M | 2 | 83 | N | Yellow | 355 | | | 354 WASTED |
| 31-Oct | F | 1 | 70 | N | Yellow | 356 | | | |
| 31-Oct | M | 1 | 66 | N | Yellow | 357 | | | |
| 31-Oct | M | 2 | 76 | N | Yellow | 358 | | | |
| 31-Oct | F | 2 | 79 | - | Yellow | 359 | | | |
| 31-Oct | M | 2 | 63 | N | Yellow | 360 | | | |
| 31-Oct | F | 2 | 70 | N | Yellow | 361 | | | |
| 31-Oct | F | 2 | 73 | N | Yellow | 362 | | | |
| 31-Oct | M | 2 | 76 | N | Yellow | 363 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 31-Oct | M | 2 | 77 | - | Yellow | 364 | | | |
| 31-Oct | M | 2 | 78 | N | Yellow | 365 | | | TUMOUR |
| 31-Oct | M | 2 | 72 | N | Yellow | 367 | | | 366 WASTED |
| 31-Oct | F | 2 | 67 | N | Yellow | 368 | | | |
| 31-Oct | M | 2 | 80 | N | Yellow | 369 | | | |
| 31-Oct | M | 2 | 78 | - | Yellow | 371 | | | 370 WASTED |
| 31-Oct | M | 2 | 74 | N | Yellow | 372 | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | M | 2 | 60 | N | Yellow | 373 | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | M | 2 | 82 | N | Yellow | 374 | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | M | 2 | 71 | N | Yellow | 375 | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | M | 2 | 65 | N | Yellow | 376 | | | |
| 31-Oct | J | 2 | 39 | - | Yellow | | | | |
| 31-Oct | J | 2 | 32 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | 1 Trout |
| 31-Oct | F | 2 | 75 | N | Yellow | 377 | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | F | 2 | 69 | N | Yellow | 378 | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | M | 1 | 60 | N | Yellow | 379 | | | |
| 31-Oct | M | 2 | 70 | Y | Yellow | 380 | | | |
| 31-Oct | F | 2 | 74 | N | Yellow | 381 | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | M | 2 | 67 | N | Yellow | 383 | | | 382 WASTED |
| 31-Oct | J | 2 | 41 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | F | 2 | 76 | - | Yellow | 387 | | | 384/385/386 WASTED |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | J | 2 | 42 | - | Yellow | | | | |
| 31-Oct | J | 2 | 39 | - | Yellow | | | | |
| 31-Oct | F | 2 | 68 | N | Yellow | 389 | | | 388 WASTED |
| 31-Oct | J | 2 | 35 | - | Yellow | | | | |
| 31-Oct | J | 2 | 32 | - | Yellow | | | | |
| 31-Oct | J | 2 | 35 | - | Yellow | | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | J | 2 | 34 | - | Yellow | | | | |
| 31-Oct | J | 2 | 35 | - | Yellow | 391 | | | 390 WASTED |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | J | 2 | 35 | - | Yellow | | | | |
| 31-Oct | J | 2 | 32 | - | Yellow | | | | |
| 31-Oct | F | 2 | 52 | N | Yellow | 392 | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | J | 2 | 33 | - | Yellow | | | | |
| 31-Oct | F | 2 | 69 | N | Yellow | 393 | | | |
| 31-Oct | J | 2 | 42 | - | Yellow | | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 31-Oct | J | 2 | 42 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | J | 2 | 40 | - | Yellow | | | | |
| 31-Oct | J | 1 | 39 | - | Yellow | | | | |
| 31-Oct | J | 1 | 38 | - | Yellow | | | | |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | M | 2 | 58 | N | Yellow | 394 | | | |
| 31-Oct | F | 2 | 76 | N | Yellow | 395 | | | |
| 31-Oct | M | 2 | 76 | N | Yellow | 396 | | | |
| 31-Oct | J | 1 | 37 | - | Yellow | | | | |
| 31-Oct | J | 1 | 38 | - | Yellow | | | | |
| 31-Oct | J | 1 | 37 | - | Yellow | | | | |
| 31-Oct | F | 2 | 73 | N | Yellow | 397 | | | |
| 31-Oct | - | 2 | 61 | N | Yellow | | | | |
| 31-Oct | M | 2 | 83 | N | Yellow | 398 | | | |
| 31-Oct | F | 2 | 74 | N | Yellow | 399 | | | |
| 31-Oct | M | 2 | 69 | - | Yellow | 400 | | | |
| 31-Oct | J | 1 | 37 | - | Yellow | | | | |
| 31-Oct | F | 2 | 68 | N | Yellow | 401 | | | |
| 31-Oct | M | 2 | 77 | N | Yellow | 402 | | | |
| 31-Oct | M | 2 | 72 | N | Yellow | 404 | | | 403 WASTED |
| 31-Oct | J | 2 | 36 | - | Yellow | | | | |
| 31-Oct | F | 2 | 76 | N | Yellow | 405 | | | |
| 31-Oct | J | 2 | 38 | - | Yellow | | | | |
| 31-Oct | F | 2 | 79 | N | Yellow | 407 | | | 406 WASTED |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | F | 2 | 70 | N | Yellow | 409 | | | |
| 31-Oct | M | 2 | 80 | N | Yellow | 411 | | | 410 WASTED |
| 31-Oct | M | 2 | 77 | N | Yellow | 413 | | | 412 WASTED |
| 31-Oct | J | 2 | 35 | - | Yellow | | | | |
| 31-Oct | F | 2 | 70 | N | Yellow | 414 | | | |
| 31-Oct | M | 2 | 76 | - | Yellow | 415 | | | |
| 31-Oct | F | 2 | 78 | N | Yellow | 417 | | | 416 WASTED |
| 31-Oct | F | 2 | 77 | N | Yellow | 418 | | | |
| 31-Oct | M | 2 | 71 | N | Yellow | 419 | | | |
| 31-Oct | M | 2 | 81 | N | Yellow | 421 | | | 420 WASTED |
| 31-Oct | J | 2 | 37 | - | Yellow | | | | |
| 31-Oct | F | 2 | 75 | - | Yellow | 422 | | | |
| 31-Oct | F | 2 | 76 | - | Yellow | 424 | | | 423 WASTED |
| 31-Oct | F | 1 | 73 | - | Yellow | 454 | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | F | 2 | 73 | N | Yellow | 426 | 80519 | 1 | |
| 1-Nov | F | 2 | 77 | N | Yellow | 427 | 80519 | 2 | |
| 1-Nov | F | 2 | 72 | N | Yellow | 429 | 80519 | 3 | 428 WASTED |
| 1-Nov | F | 2 | 73 | N | Yellow | 430 | 80519 | 4 | |
| 1-Nov | M | 2 | 75 | N | Yellow | 431 | 80519 | 5 | |
| 1-Nov | M | 2 | 53 | N | Yellow | 432 | 80519 | 6 | |
| 1-Nov | F | 2 | 68 | N | Yellow | 433 | 80519 | 7 | |
| 1-Nov | F | 2 | 75 | N | Yellow | 434 | 80519 | 8 | |
| 1-Nov | M | 2 | 76 | N | Yellow | 435 | 80519 | 9 | |
| 1-Nov | F | 2 | 77 | N | Yellow | 436 | 80519 | 10 | |
| 1-Nov | F | 2 | 73 | N | Yellow | 437 | | | |
| 1-Nov | M | 2 | 81 | N | Yellow | 445 | | | 438-444 WASTED |
| 1-Nov | M | 2 | 70 | N | Yellow | 446 | | | |
| 1-Nov | F | 2 | 70 | N | Yellow | 447 | | | |
| 1-Nov | M | 2 | 73 | N | Yellow | | | | Not Tagged |
| 1-Nov | F | 2 | 73 | N | Yellow | 448 | | | |
| 1-Nov | F | 2 | 74 | N | Yellow | 449 | | | |
| 1-Nov | F | 2 | 75 | Y | Yellow | 450 | | | |
| 1-Nov | F | 2 | 78 | N | Yellow | 452 | | | 451 WASTED |
| 1-Nov | F | 2 | 69 | N | Yellow | 453 | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 454 | | | |
| 1-Nov | F | 2 | 68 | N | Yellow | 455 | | | |
| 1-Nov | M | 2 | 77 | N | Yellow | 456 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 1-Nov | F | 2 | 72 | N | Yellow | 457 | | | |
| 1-Nov | F | 2 | 69 | N | Yellow | 458 | | | |
| 1-Nov | M | 2 | 59 | N | Yellow | 459 | | | |
| 1-Nov | M | 2 | 72 | Y | Yellow | 460 | | | |
| 1-Nov | M | 2 | 74 | N | Yellow | 461 | | | |
| 1-Nov | F | 2 | 73 | N | Yellow | 462 | | | |
| 1-Nov | M | 2 | 75 | N | Yellow | 463 | | | |
| 1-Nov | M | 2 | 73 | N | Yellow | 464 | | | |
| 1-Nov | F | 2 | 71 | Y | Yellow | 465 | | | |
| 1-Nov | M | 2 | 81 | N | Yellow | 466 | | | 467/468 WASTED |
| 1-Nov | M | 2 | 49 | Y | Yellow | 469 | | | |
| 1-Nov | J | 2 | 42 | N | Yellow | | | | |
| 1-Nov | M | 3 | 86 | N | Yellow | 470 | | | |
| 1-Nov | J | 2 | 39 | N | Yellow | | | | |
| 1-Nov | F | 2 | 67 | N | Yellow | 471 | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 43 | N | Yellow | | | | |
| 1-Nov | M | 2 | 87 | N | Yellow | 472 | | | |
| 1-Nov | M | 2 | 75 | N | Yellow | 473 | | | |
| 1-Nov | F | 2 | 66 | N | Yellow | 474 | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 475 | | | |
| 1-Nov | F | 1 | 63 | N | Yellow | 476 | | | |
| 1-Nov | F | 2 | 78 | N | Yellow | 477 | | | |
| 1-Nov | M | 2 | 71 | N | Yellow | 478 | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | M | 2 | 71 | N | Yellow | 479 | | | |
| 1-Nov | F | 2 | 82 | N | Yellow | 480 | | | |
| 1-Nov | J | 2 | 32 | N | Yellow | | | | |
| 1-Nov | M | 2 | 77 | N | Yellow | 481 | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | M | 2 | 80 | N | Yellow | 482 | | | |
| 1-Nov | F | 2 | 81 | N | Yellow | 483 | | | |
| 1-Nov | M | 2 | 73 | N | Yellow | 484 | | | |
| 1-Nov | F | 2 | 70 | N | Yellow | 485 | | | |
| 1-Nov | F | 1 | 75 | N | Yellow | 486 | | | |
| 1-Nov | M | 2 | 80 | N | Yellow | 487 | | | |
| 1-Nov | J | 2 | 40 | N | Yellow | | | | |
| 1-Nov | M | 2 | 81 | N | Yellow | 488 | | | |
| 1-Nov | M | 2 | 78 | N | Yellow | 489 | | | |
| 1-Nov | F | 2 | 66 | N | Yellow | 490 | | | |
| 1-Nov | F | 1 | 62 | N | Yellow | 491 | | | |
| 1-Nov | M | 2 | 73 | N | Yellow | 492 | | | |
| 1-Nov | F | 3 | 69 | Y | Yellow | 493 | | | |
| 1-Nov | F | 2 | 74 | N | Yellow | 494 | | | |
| 1-Nov | M | 3 | 59 | N | Yellow | 495 | | | |
| 1-Nov | M | 2 | 74 | N | Yellow | 496 | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 497 | | | |
| 1-Nov | F | 2 | 75 | N | Yellow | 498 | | | |
| 1-Nov | F | 2 | 73 | N | Yellow | 499 | | | |
| 1-Nov | M | 2 | 74 | N | Yellow | 500 | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 501 | | | |
| 1-Nov | J | 2 | 43 | N | Yellow | | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 31 | N | Yellow | | | | |
| 1-Nov | F | 2 | 73 | N | Yellow | 502 | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 503 | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | F | 2 | 68 | N | Yellow | 505 | | | |
| 1-Nov | M | 2 | 70 | N | Yellow | 506 | | | |
| 1-Nov | M | 2 | 66 | N | Yellow | 507 | | | |
| 1-Nov | M | 3 | 76 | N | Yellow | 508 | | | |
| 1-Nov | F | 1 | 73 | N | Yellow | 509 | | | |
| 1-Nov | M | 2 | 78 | N | Yellow | 510 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 1-Nov | F | 2 | 70 | N | Yellow | 511 | | | |
| 1-Nov | F | 3 | 71 | N | Yellow | 512 | | | |
| 1-Nov | J | 2 | 30 | N | Yellow | | | | |
| 1-Nov | J | 2 | 33 | N | Yellow | | | | |
| 1-Nov | M | 2 | 58 | N | Yellow | 513 | | | |
| 1-Nov | J | 2 | 34 | N | Yellow | | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 32 | N | Yellow | | | | |
| 1-Nov | M | 2 | 76 | N | Yellow | 514 | | | |
| 1-Nov | F | 2 | 78 | N | Yellow | 515 | | | Predator Marks |
| 1-Nov | M | 2 | 79 | N | Yellow | 516 | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 517 | | | Predator Marks |
| 1-Nov | J | 2 | 24 | N | Yellow | | | | |
| 1-Nov | J | 1 | 38 | N | Yellow | | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | F | 2 | 68 | N | Yellow | 518 | | | |
| 1-Nov | M | 2 | 74 | N | Yellow | 519 | | | |
| 1-Nov | J | 2 | 34 | N | Yellow | | | | |
| 1-Nov | F | 2 | 73 | N | Yellow | 520 | | | |
| 1-Nov | J | 2 | 34 | N | Yellow | | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 521 | | | |
| 1-Nov | J | 2 | 31 | N | Yellow | | | | |
| 1-Nov | F | 3 | 71 | N | Yellow | 522 | | | |
| 1-Nov | J | 2 | 29 | N | Yellow | | | | |
| 1-Nov | F | 2 | 55 | - | Yellow | 523 | | | |
| 1-Nov | J | 2 | 32 | N | Yellow | | | | |
| 1-Nov | M | 2 | 56 | N | Yellow | 524 | | | |
| 1-Nov | M | 2 | 74 | N | Yellow | 525 | | | |
| 1-Nov | M | 2 | 80 | N | Yellow | 526 | | | Predator Marks |
| 1-Nov | F | 2 | 65 | N | Yellow | 527 | | | |
| 1-Nov | M | 2 | 67 | Y | Yellow | 528 | 80520 | 1 | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | J | 2 | 32 | N | Yellow | | | | |
| 1-Nov | F | 2 | 76 | N | Yellow | 529 | 80520 | 2 | |
| 1-Nov | J | 2 | 37 | N | Yellow | | | | |
| 1-Nov | M | 2 | 75 | N | Yellow | 531 | 80520 | 3 | 530 WASTED |
| 1-Nov | M | 2 | 78 | - | Yellow | 532 | 80520 | 4 | Predator Marks |
| 1-Nov | J | 2 | 33 | N | Yellow | | | | |
| 1-Nov | F | 2 | 54 | N | Yellow | 533 | 80520 | 5 | |
| 1-Nov | M | 2 | 62 | N | Yellow | 534 | 80520 | 6 | |
| 1-Nov | J | 2 | 43 | N | Yellow | | | | |
| 1-Nov | J | 2 | 42 | N | Yellow | | | | |
| 1-Nov | J | 2 | 37 | N | Yellow | | | | |
| 1-Nov | J | 2 | 33 | N | Yellow | | | | |
| 1-Nov | F | 2 | 75 | N | Yellow | 535 | 80520 | 7 | |
| 1-Nov | M | 2 | 81 | N | Yellow | 536 | 80520 | 8 | |
| 1-Nov | F | 2 | 70 | N | Yellow | 537 | 80520 | 9 | |
| 1-Nov | J | 2 | 38 | N | Yellow | | | | |
| 1-Nov | J | 2 | 39 | N | Yellow | | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 538 | 80520 | 10 | |
| 1-Nov | M | 2 | 76 | N | Yellow | 539 | | | |
| 1-Nov | M | 2 | 68 | N | Yellow | 540 | | | |
| 1-Nov | F | 2 | 67 | N | Yellow | 541 | | | |
| 1-Nov | M | 2 | 81 | N | Yellow | 542 | | | |
| 1-Nov | J | 2 | 37 | N | Yellow | | | | |
| 1-Nov | J | 1 | 37 | N | Yellow | | | | |
| 1-Nov | F | 2 | 75 | N | Yellow | 543 | | | Predator Marks |
| 1-Nov | F | 2 | 74 | N | Yellow | 544 | | | |
| 1-Nov | M | 2 | 71 | N | Yellow | 545 | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 546 | | | |
| 1-Nov | J | 2 | 34 | N | Yellow | | | | |
| 1-Nov | F | 2 | 65 | Y | Yellow | 547 | | | |
| 1-Nov | J | 2 | 33 | N | Yellow | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 1-Nov | M | 2 | 75 | N | Yellow | 548 | | | |
| 1-Nov | F | 2 | 77 | N | Yellow | 549 | | | |
| 1-Nov | J | 2 | 26 | N | Yellow | | | | |
| 1-Nov | J | 2 | 29 | N | Yellow | | | | |
| 1-Nov | M | 2 | 73 | N | Yellow | 550 | | | |
| 1-Nov | F | 2 | 65 | N | Yellow | 551 | | | |
| 1-Nov | F | 2 | 64 | N | Yellow | 552 | | | |
| 1-Nov | M | 2 | 83 | N | Yellow | 553 | | | |
| 1-Nov | M | 2 | 68 | N | Yellow | 554 | | | |
| 1-Nov | M | 3 | 62 | N | Yellow | 556 | | | 555 WASTED |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | M | 2 | 83 | N | Yellow | 557 | | | |
| 1-Nov | F | 2 | 63 | N | Yellow | 558 | | | |
| 1-Nov | J | 2 | 26 | N | Yellow | | | | |
| 1-Nov | J | 2 | 39 | N | Yellow | | | | |
| 1-Nov | M | 2 | 79 | N | Yellow | 561 | | | 559/560 WASTED |
| 1-Nov | J | 2 | 40 | N | Yellow | | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | J | 2 | 38 | N | Yellow | | | | |
| 1-Nov | J | 2 | 37 | N | Yellow | | | | |
| 1-Nov | J | 2 | 42 | N | Yellow | | | | |
| 1-Nov | J | 2 | 35 | N | Yellow | | | | |
| 1-Nov | J | 2 | 27 | N | Yellow | | | | |
| 1-Nov | F | 2 | 64 | Y | Yellow | 562 | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | J | 2 | 36 | N | Yellow | | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 563 | | | |
| 1-Nov | F | 2 | 71 | N | Yellow | 564 | | | |
| 1-Nov | M | 2 | 84 | N | Yellow | 565 | | | |
| 1-Nov | F | 2 | 69 | N | Yellow | 566 | | | |
| 1-Nov | J | 2 | 34 | N | Yellow | | | | |
| 1-Nov | M | 2 | 54 | N | Yellow | 567 | | | |
| 1-Nov | F | 2 | 70 | N | Yellow | 569 | | | 568 WASTED |
| 1-Nov | F | 2 | 60 | N | Yellow | 570 | | | |
| 1-Nov | J | 2 | 39 | N | Yellow | | | | |
| 1-Nov | F | 2 | 77 | N | Yellow | 571 | | | |
| 1-Nov | J | 2 | 38 | N | Yellow | | | | |
| 1-Nov | M | 2 | 75 | N | Yellow | 572 | | | |
| 1-Nov | J | 2 | 31 | N | Yellow | | | | |
| 1-Nov | J | 2 | 27 | N | Yellow | | | | |
| 1-Nov | F | 2 | 79 | N | Yellow | 573 | | | |
| 1-Nov | J | 2 | 28 | N | Yellow | | | | |
| 1-Nov | M | 2 | 67 | Y | Yellow | 574 | | | |
| 1-Nov | M | 2 | 78 | N | Yellow | 575 | | | |
| 1-Nov | F | 2 | 71 | N | Yellow | 576 | | | |
| 1-Nov | F | 3 | 71 | Y | Yellow | 577 | | | |
| 1-Nov | F | 1 | 62 | Y | Yellow | 578 | | | |
| 1-Nov | F | 2 | 74 | N | Yellow | 579 | | | |
| 1-Nov | F | 2 | 72 | N | Yellow | 580 | | | |
| 1-Nov | F | 2 | 40 | Y | Yellow | | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 581 | | | |
| 2-Nov | F | 3 | 58 | N | Yellow | 582 | | | |
| 2-Nov | J | 3 | 35 | N | Yellow | | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 583 | | | |
| 2-Nov | F | 3 | 69 | N | Yellow | 585 | | | |
| 2-Nov | J | 3 | 35 | N | Yellow | | | | |
| 2-Nov | M | 3 | 74 | N | Yellow | 586 | | | |
| 2-Nov | M | 3 | 70 | N | Yellow | 587 | | | |
| 2-Nov | M | 3 | 80 | N | Yellow | 588 | | | |
| 2-Nov | F | 2 | 72 | N | Yellow | 589 | | | Condition originally listed as "1\2" |
| 2-Nov | M | 3 | 80 | N | Yellow | 590 | | | |
| 2-Nov | F | 3 | 67 | Y | Yellow | 591 | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 592 | | | |
| 2-Nov | F | 1 | 73 | N | Yellow | 593 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nov | M | 3 | 75 | N | Yellow | 594 | | | |
| 2-Nov | M | 3 | 72 | Y | Yellow | 595 | | | |
| 2-Nov | F | 2 | 79 | N | Yellow | 596 | | | |
| 2-Nov | M | 3 | 77 | N | Yellow | 597 | | | |
| 2-Nov | F | 2 | 78 | N | Yellow | 599 | | | 598 WASTED |
| 2-Nov | M | 3 | 77 | N | Yellow | 600 | | | |
| 2-Nov | F | 2 | 58 | N | Yellow | 601 | | | |
| 2-Nov | M | 3 | 77 | N | Yellow | 602 | | | |
| 2-Nov | F | 2 | 73 | N | Yellow | 603 | | | |
| 2-Nov | M | 2 | 74 | Y | Yellow | 604 | | | |
| 2-Nov | J | - | 35 | N | Yellow | | | | |
| 2-Nov | M | 2 | 64 | N | Yellow | 605 | | | |
| 2-Nov | M | 3 | 73 | N | Yellow | 606 | | | |
| 2-Nov | M | 1 | 69 | Y | Yellow | 608 | | | 607 WASTED |
| 2-Nov | F | 2 | 59 | N | Yellow | 609 | | | |
| 2-Nov | M | 3 | 85 | N | Yellow | 610 | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 611 | | | |
| 2-Nov | M | 3 | 69 | N | Yellow | 612 | | | |
| 2-Nov | F | 3 | 77 | N | Yellow | 613 | | | |
| 2-Nov | M | 3 | 78 | N | Yellow | 614 | | | |
| 2-Nov | F | 2 | 75 | N | Yellow | 615 | | | |
| 2-Nov | M | 3 | 80 | N | Yellow | 617 | | | 616 WASTED |
| 2-Nov | J | 1 | 32 | N | Yellow | | | | |
| 2-Nov | F | 3 | 77 | N | Yellow | 618 | | | |
| 2-Nov | M | 3 | 69 | N | Yellow | 619 | | | |
| 2-Nov | M | 2 | 83 | N | Yellow | 620 | | | |
| 2-Nov | F | 1 | 64 | N | Yellow | 621 | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 622 | | | |
| 2-Nov | F | 2 | 74 | N | Yellow | 623 | | | |
| 2-Nov | F | 3 | 70 | N | Yellow | 624 | | | |
| 2-Nov | M | 3 | 69 | N | Yellow | 625 | | | |
| 2-Nov | J | 1 | 27 | N | Yellow | | | | |
| 2-Nov | F | 3 | 76 | N | Yellow | 626 | | | Loose Eggs |
| 2-Nov | M | 3 | 77 | N | Yellow | 627 | | | Predator Marks |
| 2-Nov | F | 3 | 76 | N | Yellow | 628 | | | |
| 2-Nov | M | 3 | 73 | N | Yellow | 629 | | | |
| 2-Nov | F | 3 | 69 | N | Yellow | 630 | | | |
| 2-Nov | M | 3 | 73 | N | Yellow | 631 | | | |
| 2-Nov | F | 3 | 77 | N | Yellow | 632 | | | |
| 2-Nov | F | 2 | 73 | Y | Yellow | 633 | | | |
| 2-Nov | M | 3 | 69 | N | Yellow | 634 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 635 | | | |
| 2-Nov | M | 3 | 74 | N | Yellow | 636 | | | |
| 2-Nov | F | 2 | 77 | N | Yellow | 637 | | | |
| 2-Nov | F | 3 | 75 | N | Yellow | 638 | | | |
| 2-Nov | F | 3 | 64 | Y | Yellow | 639 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 640 | | | |
| 2-Nov | J | 1 | 30 | N | Yellow | | | | |
| 2-Nov | F | 2 | 80 | N | Yellow | 641 | | | |
| 2-Nov | J | 2 | 26 | N | Yellow | | | | |
| 2-Nov | F | 3 | 54 | N | Yellow | 642 | | | |
| 2-Nov | F | 3 | 74 | N | Yellow | 643 | | | |
| 2-Nov | F | 1 | 76 | N | Yellow | 644 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 645 | | | |
| 2-Nov | F | 2 | 73 | N | Yellow | 646 | | | |
| 2-Nov | F | 1 | 67 | N | Yellow | 647 | | | |
| 2-Nov | M | 3 | 79 | N | Yellow | 648 | | | |
| 2-Nov | F | 2 | 79 | N | Yellow | 649 | | | |
| 2-Nov | F | 3 | 72 | N | Yellow | 650 | | | |
| 2-Nov | M | 3 | 77 | N | Yellow | 651 | | | |
| 2-Nov | F | 3 | 68 | N | Yellow | 652 | | | |
| 2-Nov | M | 2 | 71 | N | Yellow | 653 | | | |
| 2-Nov | F | 3 | 75 | N | Yellow | 654 | | | |
| 2-Nov | F | 2 | 52 | N | Yellow | 655 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nov | M | 3 | 72 | N | Yellow | 656 | 80521 | 1 | |
| 2-Nov | M | 2 | 71 | N | Yellow | 657 | 80521 | 2 | |
| 2-Nov | F | 2 | 75 | N | Yellow | 658 | 80521 | 3 | |
| 2-Nov | F | 3 | 77 | N | Yellow | 659 | 80521 | 4 | |
| 2-Nov | M | 3 | 74 | N | Yellow | 660 | 80521 | 5 | |
| 2-Nov | F | 2 | 61 | Y | Yellow | 661 | 80521 | 6 | |
| 2-Nov | M | 3 | 75 | N | Yellow | 662 | 80521 | 7 | |
| 2-Nov | F | 3 | 73 | N | Yellow | 663 | | | |
| 2-Nov | F | 2 | 72 | N | Yellow | 664 | 80521 | 8 | |
| 2-Nov | F | 1 | 75 | N | Yellow | 666 | 80521 | 9 | 665 WASTED |
| 2-Nov | F | 2 | 80 | N | Yellow | 667 | 80521 | 10 | |
| 2-Nov | M | 2 | 78 | N | Yellow | 668 | | | |
| 2-Nov | F | 3 | 68 | N | Yellow | 670 | | | 669 WASTED |
| 2-Nov | M | 3 | 61 | N | Yellow | 671 | | | |
| 2-Nov | M | 3 | 70 | N | Yellow | 672 | | | |
| 2-Nov | M | 2 | 69 | N | Yellow | 673 | | | |
| 2-Nov | F | 2 | 70 | N | Yellow | 674 | | | |
| 2-Nov | F | 2 | 67 | N | Yellow | 675 | | | |
| 2-Nov | F | 2 | 70 | N | Yellow | 676 | | | |
| 2-Nov | F | 2 | 81 | N | Yellow | 677 | | | |
| 2-Nov | M | 3 | 78 | Y | Yellow | 678 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 679 | | | |
| 2-Nov | M | 3 | 78 | N | Yellow | 680 | | | |
| 2-Nov | F | 3 | 76 | N | Yellow | 681 | | | |
| 2-Nov | M | 3 | 84 | N | Yellow | 682 | | | |
| 2-Nov | M | 2 | 81 | N | Yellow | 683 | | | |
| 2-Nov | F | 3 | 79 | Y | Yellow | 684 | | | |
| 2-Nov | F | 3 | 70 | N | Yellow | 685 | | | Predator Marks |
| 2-Nov | M | 3 | 76 | N | Yellow | 686 | | | |
| 2-Nov | F | 3 | 67 | N | Yellow | 687 | | | |
| 2-Nov | M | 2 | 79 | N | Yellow | 688 | | | |
| 2-Nov | F | 2 | 75 | N | Yellow | 689/690 | | | Double Tagged |
| 2-Nov | F | 2 | 73 | N | Yellow | 691 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 692 | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 693 | | | |
| 2-Nov | F | 3 | 74 | Y | Yellow | 694 | | | |
| 2-Nov | F | 2 | 66 | N | Yellow | 695 | | | |
| 2-Nov | M | 3 | 78 | Y | Yellow | 696 | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 699 | | | 697/698 WASTED |
| 2-Nov | M | 3 | 73 | N | Yellow | 700 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 701 | | | |
| 2-Nov | F | 3 | 72 | N | Yellow | 702 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 703 | | | |
| 2-Nov | M | 3 | 74 | N | Yellow | 704 | | | |
| 2-Nov | M | 3 | 72 | N | Yellow | 705 | | | |
| 2-Nov | F | 2 | 74 | N | Yellow | 706 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 707 | | | |
| 2-Nov | F | 2 | 75 | N | Yellow | 708 | | | |
| 2-Nov | F | 2 | 60 | N | Yellow | 709 | | | |
| 2-Nov | M | 3 | 72 | N | Yellow | 710 | | | |
| 2-Nov | M | 3 | 77 | N | Yellow | 711 | | | |
| 2-Nov | M | 3 | 68 | N | Yellow | 714 | | | 712/173 WASTED |
| 2-Nov | M | 2 | 78 | N | Yellow | 715 | | | |
| 2-Nov | J | 2 | 35 | N | Yellow | | | | |
| 2-Nov | M | 2 | 68 | N | Yellow | 716 | | | |
| 2-Nov | J | 2 | 34 | N | Yellow | | | | |
| 2-Nov | F | 3 | 59 | N | Yellow | 717 | | | |
| 2-Nov | M | 3 | 67 | N | Yellow | 718 | | | |
| 2-Nov | F | 3 | 81 | N | Yellow | 720 | | | 719 WASTED |
| 2-Nov | M | 3 | 70 | N | Yellow | 721 | | | |
| 2-Nov | J | 2 | 32 | N | Yellow | | | | |
| 2-Nov | J | 2 | 31 | N | Yellow | | | | |
| 2-Nov | F | 3 | 77 | N | Yellow | 724 | | | 722/723 WASTED |
| 2-Nov | F | 3 | 66 | N | Yellow | 725 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nov | M | 3 | 76 | N | Yellow | 726 | | | |
| 2-Nov | J | 2 | 30 | N | Yellow | | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 727 | | | |
| 2-Nov | M | 3 | 76 | N | Yellow | 728 | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 729 | | | |
| 2-Nov | M | 3 | 78 | N | Yellow | 730 | | | |
| 2-Nov | M | 3 | 74 | N | Yellow | 731 | | | |
| 2-Nov | F | 2 | 59 | N | Yellow | 733 | | | 732 WASTED |
| 2-Nov | F | 1 | 74 | N | Yellow | 734 | | | |
| 2-Nov | M | 3 | 73 | N | Yellow | 735 | | | Predator Marks |
| 2-Nov | F | 2 | 60 | N | Yellow | 736 | | | |
| 2-Nov | F | 2 | 64 | N | Yellow | 737 | | | |
| 2-Nov | M | 3 | 72 | N | Yellow | 738 | | | |
| 2-Nov | M | 3 | 81 | N | Yellow | 739 | | | |
| 2-Nov | J | 2 | 25 | N | Yellow | | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 740 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 741 | | | |
| 2-Nov | F | 2 | 74 | N | Yellow | 742 | | | |
| 2-Nov | F | 3 | 55 | Y | Yellow | 743 | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 744 | | | |
| 2-Nov | F | 3 | 68 | N | Yellow | 745 | | | |
| 2-Nov | M | 3 | 82 | N | Yellow | 747 | | | 746 WASTED |
| 2-Nov | F | 2 | 75 | N | Yellow | 748 | | | |
| 2-Nov | J | 2 | 30 | N | Yellow | | | | |
| 2-Nov | J | 2 | 27 | N | Yellow | | | | |
| 2-Nov | F | 2 | 53 | N | Yellow | 749 | | | |
| 2-Nov | M | 3 | 84 | N | Yellow | 750 | | | |
| 2-Nov | M | 3 | 79 | N | Yellow | 751 | | | |
| 2-Nov | F | 3 | 76 | N | Yellow | 752 | | | |
| 2-Nov | F | 2 | 67 | N | Yellow | 753 | | | |
| 2-Nov | F | 2 | 67 | N | Yellow | 754 | | | |
| 2-Nov | F | 3 | 54 | Y | Yellow | 755 | | | |
| 2-Nov | F | 2 | 75 | N | Yellow | 756 | | | |
| 2-Nov | M | 3 | 76 | N | Yellow | 757 | | | |
| 2-Nov | M | 3 | 77 | N | Yellow | 758 | | | |
| 2-Nov | F | 2 | 69 | N | Yellow | 760 | | | 759 WASTED |
| 2-Nov | M | 2 | 71 | N | Yellow | 761 | | | |
| 2-Nov | F | 2 | 67 | Y | Yellow | 762 | | | |
| 2-Nov | M | 3 | 76 | N | Yellow | 763 | | | |
| 2-Nov | M | 3 | 84 | N | Yellow | 764 | | | |
| 2-Nov | F | 1 | 73 | N | Yellow | 765 | | | |
| 2-Nov | F | 2 | 74 | N | Yellow | 766 | | | |
| 2-Nov | F | 3 | 71 | Y | Yellow | 767 | | | |
| 2-Nov | F | 3 | 70 | N | Yellow | 768 | | | |
| 2-Nov | F | 3 | 72 | N | Yellow | 772 | | | 769/770/771 WASTED |
| 2-Nov | F | 3 | 68 | Y | Yellow | 773 | | | |
| 2-Nov | M | 3 | 65 | N | Yellow | 774 | | | |
| 2-Nov | F | 2 | 70 | N | Yellow | 775 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 776 | | | |
| 2-Nov | F | 3 | 74 | N | Yellow | 777 | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 778 | | | |
| 2-Nov | F | 3 | 70 | N | Yellow | 779 | | | |
| 2-Nov | F | 3 | 75 | N | Yellow | 780 | | | |
| 2-Nov | F | 3 | 67 | Y | Yellow | 781 | | | |
| 2-Nov | F | 2 | 65 | N | Yellow | 782 | | | |
| 2-Nov | M | 3 | 80 | N | Yellow | 783 | | | |
| 2-Nov | J | 3 | 43 | N | Yellow | | | | |
| 2-Nov | F | 3 | 73 | N | Yellow | 784 | | | |
| 2-Nov | J | 2 | 36 | N | Yellow | | | | |
| 2-Nov | J | 2 | 33 | N | Yellow | | | | |
| 2-Nov | F | 3 | 68 | N | Yellow | 785 | | | |
| 2-Nov | J | 2 | 34 | N | Yellow | | | | |
| 2-Nov | M | 3 | 72 | N | Yellow | 786 | | | |
| 2-Nov | M | 3 | 57 | N | Yellow | 787 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 2-Nov | F | 3 | 78 | N | Yellow | 789 | | | 788 WASTED |
| 2-Nov | M | 3 | 76 | N | Yellow | 790 | | | |
| 2-Nov | M | 3 | 75 | N | Yellow | 792 | | | 791 WASTED |
| 2-Nov | M | 3 | 78 | N | Yellow | 794 | | | 793 WASTED |
| 2-Nov | M | 3 | 79 | N | Yellow | 796 | | | 795 WASTED |
| 2-Nov | F | 3 | 80 | N | Yellow | 797 | | | |
| 2-Nov | J | 2 | 37 | N | Yellow | | | | |
| 2-Nov | F | 3 | 76 | N | Yellow | 798 | | | |
| 2-Nov | M | 3 | 80 | N | Yellow | 799 | | | |
| 2-Nov | F | 3 | 74 | N | Yellow | 800 | | | |
| 2-Nov | M | 3 | 79 | N | Yellow | 801 | | | |
| 2-Nov | M | 3 | 74 | N | Yellow | 802 | | | |
| 2-Nov | F | 3 | 69 | N | Yellow | 804 | | | 803 WASTED |
| 2-Nov | M | 3 | 84 | N | Yellow | 805 | | | |
| 2-Nov | F | 3 | 78 | N | Yellow | 807 | | | 806 WASTED |
| 2-Nov | F | 3 | 66 | N | Yellow | 808 | | | |
| 2-Nov | F | 3 | 65 | N | Yellow | 809 | | | |
| 2-Nov | F | 3 | 65 | N | Yellow | 813 | | | 810/811/812 WASTED |
| 2-Nov | F | 3 | 77 | N | Yellow | 815 | | | 814 WASTED |
| 2-Nov | F | 3 | 72 | N | Yellow | 816 | | | |
| 2-Nov | M | 3 | 80 | N | Yellow | 817 | | | Predator Marks |
| 2-Nov | M | 3 | 69 | N | Yellow | 822 | | | 818/819/820/821 WASTED |
| 2-Nov | M | 3 | 75 | N | Yellow | 824 | | | 823 WASTED |
| 2-Nov | F | 3 | 58 | N | Yellow | 826 | | | 825 WASTED |
| 2-Nov | F | 3 | 57 | N | Yellow | 827 | | | |
| 2-Nov | F | 3 | 75 | N | Yellow | 829 | | | 828 WASTED |
| 2-Nov | M | 3 | 67 | N | Yellow | 830 | | | |
| 2-Nov | M | 3 | 78 | N | Yellow | 831 | | | |
| 2-Nov | F | 3 | 71 | N | Yellow | 832 | | | |
| 2-Nov | F | 3 | 64 | N | Yellow | 833 | | | |
| 2-Nov | F | 3 | 74 | N | Yellow | 835 | | | 834 WASTED |
| 2-Nov | M | 3 | 66 | N | Yellow | 836 | | | |
| 2-Nov | F | 3 | 65 | N | Yellow | 837 | | | |
| 2-Nov | F | 3 | 63 | N | Yellow | 838 | | | |
| 3-Nov | M | 3 | 74 | N | Yellow | 839 | 80522 | 1 | |
| 3-Nov | M | 3 | 80 | Y | Yellow | 840 | 80522 | 2 | |
| 3-Nov | M | 3 | 77 | N | Yellow | 841 | 80522 | 3 | |
| 3-Nov | M | 3 | 83 | N | Yellow | 842 | 80522 | 4 | |
| 3-Nov | F | 3 | 77 | N | Yellow | 843 | 80522 | 5 | |
| 3-Nov | M | 3 | 82 | N | Yellow | 844 | 80522 | 6 | |
| 3-Nov | M | 3 | 82 | N | Yellow | 845 | 80522 | 7 | |
| 3-Nov | F | 3 | 74 | N | Yellow | 847 | 80522 | 8 | 846 WASTED |
| 3-Nov | F | 3 | 74 | N | Yellow | 848 | 80522 | 9 | |
| 3-Nov | F | 3 | 65 | N | Yellow | 849 | 80522 | 10 | |
| 3-Nov | M | 3 | 81 | N | Yellow | 850 | | | |
| 3-Nov | F | 1 | 68 | N | Yellow | 851 | | | |
| 3-Nov | F | 3 | 74 | N | Yellow | 853 | | | 852 WASTED |
| 3-Nov | M | 3 | 69 | N | Yellow | 854 | | | |
| 3-Nov | F | 2 | 78 | N | Yellow | 855 | | | |
| 3-Nov | M | 3 | 78 | N | Yellow | 856 | | | |
| 3-Nov | F | 3 | 76 | N | Yellow | 857 | | | |
| 3-Nov | M | 3 | 86 | Y | Yellow | 858 | | | |
| 3-Nov | M | 3 | 82 | N | Yellow | 859 | | | |
| 3-Nov | M | 3 | 77 | N | Yellow | 861 | | | 860 WASTED |
| 3-Nov | M | 3 | 77 | - | Yellow | 862 | | | |
| 3-Nov | J | 2 | 32 | N | Yellow | | | | |
| 3-Nov | F | 3 | 68 | N | Yellow | 863 | | | |
| 3-Nov | M | 3 | 82 | N | Yellow | 864 | | | |
| 3-Nov | F | 2 | 79 | N | Yellow | 865 | | | |
| 3-Nov | F | 3 | 73 | N | Yellow | 866 | | | |
| 3-Nov | F | 3 | 63 | N | Yellow | 867 | | | |
| 3-Nov | M | 3 | 77 | N | Yellow | 868 | | | |
| 3-Nov | F | 3 | 81 | N | Yellow | 869 | | | |
| 3-Nov | M | 3 | 80 | N | Yellow | 870 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 3-Nov | F | 2 | 79 | N | Yellow | 872 | | | 871 WASTED |
| 3-Nov | F | 3 | 80 | N | Yellow | 873 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 874 | | | |
| 3-Nov | M | 3 | 76 | N | Yellow | 875 | | | |
| 3-Nov | F | 3 | 71 | N | Yellow | 877 | | | 876 WASTED |
| 3-Nov | M | 3 | 74 | N | Yellow | 878 | | | |
| 3-Nov | F | 3 | 75 | N | Yellow | 879 | | | |
| 3-Nov | M | 1 | 84 | N | Yellow | 880 | | | |
| 3-Nov | F | 3 | 79 | N | Yellow | 881 | | | |
| 3-Nov | J | 2 | 32 | N | Yellow | | | | |
| 3-Nov | J | 2 | 34 | N | Yellow | | | | |
| 3-Nov | F | 3 | 76 | N | Yellow | 883 | | | 882 WASTED |
| 3-Nov | F | 3 | 76 | N | Yellow | 884 | | | |
| 3-Nov | F | 3 | 66 | N | Yellow | 886 | | | 885 WASTED |
| 3-Nov | F | 3 | 75 | N | Yellow | 887 | | | |
| 3-Nov | F | 3 | 82 | N | Yellow | 888 | | | |
| 3-Nov | M | 3 | 88 | N | Yellow | 889 | | | |
| 3-Nov | F | 3 | 75 | N | Yellow | 891 | | | 890 WASTED |
| 3-Nov | F | 3 | 73 | N | Yellow | 893 | | | 892 WASTED |
| 3-Nov | M | 3 | 61 | - | Yellow | 894 | | | |
| 3-Nov | M | 3 | 82 | N | Yellow | 896 | | | 895 WASTED |
| 3-Nov | M | 3 | 81 | N | Yellow | 897 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 898 | | | |
| 3-Nov | M | 3 | 88 | N | Yellow | 899 | | | Predator Marks |
| 3-Nov | F | 3 | 76 | N | Yellow | 900 | | | |
| 3-Nov | M | 3 | 70 | N | Yellow | 901 | | | |
| 3-Nov | F | 1 | 70 | N | Yellow | 902 | | | |
| 3-Nov | J | 2 | 38 | N | Yellow | | | | |
| 3-Nov | F | 3 | 77 | N | Yellow | 903 | | | |
| 3-Nov | F | 3 | 78 | N | Yellow | 905 | | | 904 WASTED |
| 3-Nov | F | 3 | 74 | N | Yellow | 906 | | | |
| 3-Nov | M | 3 | 75 | N | Yellow | 907 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 908 | | | |
| 3-Nov | M | 3 | 74 | N | Yellow | 909 | | | Predator Marks |
| 3-Nov | F | 3 | 68 | N | Yellow | 910 | | | |
| 3-Nov | F | 3 | 76 | N | Yellow | 911 | | | |
| 3-Nov | M | 3 | 81 | N | Yellow | 913 | | | 912 WASTED |
| 3-Nov | M | 3 | 58 | N | Yellow | 914 | | | |
| 3-Nov | M | 3 | 75 | N | Yellow | 915 | | | |
| 3-Nov | F | 2 | 81 | N | Yellow | 916 | | | |
| 3-Nov | F | 1 | 69 | N | Yellow | 917 | | | |
| 3-Nov | F | 3 | 80 | Y | Yellow | 918 | | | |
| 3-Nov | M | 1 | 81 | N | Yellow | 919 | | | |
| 3-Nov | M | 3 | 85 | N | Yellow | 920 | | | |
| 3-Nov | M | 3 | 83 | N | Yellow | 921 | | | |
| 3-Nov | F | 3 | 79 | N | Yellow | 922 | | | |
| 3-Nov | M | 3 | 81 | N | Yellow | 923 | | | |
| 3-Nov | M | 2 | 81 | N | Yellow | 924 | | | |
| 3-Nov | F | 3 | 73 | N | Yellow | 925 | | | |
| 3-Nov | M | 3 | 78 | N | Yellow | 926 | | | |
| 3-Nov | M | 3 | 86 | N | Yellow | 927 | | | |
| 3-Nov | F | 3 | 66 | N | Yellow | 928 | | | |
| 3-Nov | M | 3 | 89 | N | Yellow | 929 | | | |
| 3-Nov | F | 3 | 76 | N | Yellow | 930 | | | |
| 3-Nov | F | 2 | 75 | N | Yellow | 931 | | | |
| 3-Nov | M | 3 | 84 | N | Yellow | 933 | | | 932 WASTED |
| 3-Nov | F | 3 | 59 | N | Yellow | 934 | | | |
| 3-Nov | F | 3 | 79 | N | Yellow | 935 | | | |
| 3-Nov | M | 3 | 76 | N | Yellow | 936 | | | |
| 3-Nov | M | 3 | 64 | N | Yellow | 937 | | | |
| 3-Nov | M | 3 | 79 | N | Yellow | 938 | | | |
| 3-Nov | M | 3 | 85 | N | Yellow | 939 | | | |
| 3-Nov | M | 3 | 79 | N | Yellow | 940 | | | |
| 3-Nov | M | 3 | 80 | N | Yellow | 941 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 3-Nov | M | 3 | 74 | N | Yellow | 942 | | | |
| 3-Nov | F | 3 | 74 | N | Yellow | 943 | | | |
| 3-Nov | F | 3 | 84 | N | Yellow | 944 | | | |
| 3-Nov | M | 3 | 76 | N | Yellow | 945 | | | |
| 3-Nov | F | 3 | 76 | - | Yellow | 946 | | | |
| 3-Nov | M | 3 | 78 | - | Yellow | 947 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 948 | | | |
| 3-Nov | F | 3 | 76 | N | Yellow | 949 | | | |
| 3-Nov | M | 3 | 87 | N | Yellow | 950 | | | |
| 3-Nov | F | 3 | 82 | N | Yellow | 951 | | | Hook damaged mouth |
| 3-Nov | F | 2 | 64 | N | Yellow | 952 | | | |
| 3-Nov | F | 3 | 72 | N | Yellow | 953 | | | |
| 3-Nov | M | 2 | 77 | N | Yellow | 954 | | | |
| 3-Nov | M | 3 | 81 | N | Yellow | 955 | | | |
| 3-Nov | M | 3 | 69 | N | Yellow | 956 | | | |
| 3-Nov | M | 3 | 77 | N | Yellow | 957 | | | |
| 3-Nov | F | 1 | 83 | N | Yellow | 958 | | | |
| 3-Nov | F | 2 | 73 | N | Yellow | 959 | | | |
| 3-Nov | F | 3 | 51 | N | Yellow | 960 | | | |
| 3-Nov | F | 2 | 72 | N | Yellow | 961 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 962 | | | |
| 3-Nov | M | 3 | 83 | N | Yellow | 963 | | | |
| 3-Nov | M | 3 | 76 | N | Yellow | 964 | | | |
| 3-Nov | F | 2 | 72 | N | Yellow | 965 | | | |
| 3-Nov | M | 3 | 86 | N | Yellow | 966 | | | |
| 3-Nov | F | 1 | 81 | Y | Yellow | 967 | | | |
| 3-Nov | F | 1 | 77 | N | Yellow | 968 | | | |
| 3-Nov | F | 3 | 82 | N | Yellow | 970 | | | 969 WASTED |
| 3-Nov | M | 3 | 76 | N | Yellow | 971 | | | |
| 3-Nov | M | 3 | 84 | Y | Yellow | 972 | | | |
| 3-Nov | M | 3 | 82 | N | Yellow | 973 | | | |
| 3-Nov | F | 3 | 80 | N | Yellow | 974 | | | |
| 3-Nov | F | 3 | 69 | N | Yellow | 975 | | | |
| 3-Nov | F | 2 | 73 | N | Yellow | 976 | | | |
| 3-Nov | F | 1 | 77 | N | Yellow | 977 | | | |
| 3-Nov | F | 3 | 81 | N | Yellow | 978 | | | |
| 3-Nov | M | 3 | 81 | Y | Yellow | 979 | | | |
| 3-Nov | M | 3 | 75 | N | Yellow | 980 | | | |
| 3-Nov | F | 2 | 59 | Y | Yellow | 981 | | | Using tube detector for CWT's |
| 3-Nov | M | 2 | 83 | N | Yellow | 982 | | | |
| 3-Nov | M | 2 | 79 | N | Yellow | 983 | | | |
| 3-Nov | M | 2 | 81 | N | Yellow | 984 | | | |
| 3-Nov | F | 2 | 76 | N | Yellow | 986 | | | 985 WASTED |
| 3-Nov | M | 2 | 78 | N | Yellow | 987 | | | |
| 3-Nov | M | 2 | 82 | N | Yellow | 988 | | | |
| 3-Nov | J | 2 | 40 | N | Yellow | | | | |
| 3-Nov | M | 2 | 80 | N | Yellow | 989 | | | |
| 3-Nov | F | 2 | 69 | N | Yellow | 990 | | | |
| 3-Nov | F | 2 | 81 | N | Yellow | 991 | | | |
| 3-Nov | F | 2 | 74 | N | Yellow | 993 | | | 992 WASTED |
| 3-Nov | M | 2 | 72 | N | Yellow | 994 | | | |
| 3-Nov | F | 2 | 71 | N | Yellow | 996 | | | 995 WASTED |
| 3-Nov | F | 2 | 71 | N | Yellow | 997 | | | |
| 3-Nov | F | 2 | 78 | N | Yellow | 998 | | | |
| 3-Nov | M | 2 | 64 | N | Yellow | 999 | | | |
| 3-Nov | F | 2 | 57 | N | Yellow | 1000 | | | |
| 3-Nov | F | 2 | 75 | N | Yellow | 1001 | | | |
| 3-Nov | F | 2 | 73 | N | Yellow | 1002 | | | |
| 3-Nov | M | 2 | 79 | N | Yellow | 1003 | | | |
| 3-Nov | F | 2 | 71 | N | Yellow | 1004 | | | |
| 3-Nov | M | 2 | 77 | N | Yellow | 1005 | | | |
| 3-Nov | M | 2 | 70 | Y | Yellow | 1006 | | | |
| 3-Nov | F | 2 | 76 | Y | Yellow | 1007 | | | |
| 3-Nov | M | 2 | 71 | Y | Yellow | 1009 | | | 1008 WASTED |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 3-Nov | F | 2 | 66 | N | Yellow | 1010 | | | |
| 3-Nov | F | 2 | 70 | N | Yellow | 1011 | | | |
| 3-Nov | M | 2 | 78 | Y | Yellow | 1012 | | | |
| 3-Nov | F | 2 | 68 | N | Yellow | 1013 | | | |
| 3-Nov | F | 2 | 63 | N | Yellow | | | | |
| 3-Nov | J | 2 | 36 | N | Yellow | 1014 | | | |
| 3-Nov | F | 2 | 76 | N | Yellow | 1015 | | | |
| 3-Nov | M | 2 | 76 | N | Yellow | 1016 | | | |
| 3-Nov | M | 2 | 75 | N | Yellow | 1018 | | | 1017 WASTED |
| 3-Nov | F | 2 | 73 | N | Yellow | 1019 | | | |
| 3-Nov | F | 2 | 68 | N | Yellow | 1020 | | | |
| 3-Nov | F | 2 | 70 | Y | Yellow | 1021 | | | |
| 3-Nov | F | 2 | 63 | N | Yellow | 1022 | | | |
| 3-Nov | F | 1 | 74 | Y | Yellow | 1023 | | | |
| 3-Nov | M | 2 | 77 | Y | Yellow | 1024 | | | |
| 3-Nov | F | 2 | 65 | N | Yellow | 1025 | | | |
| 3-Nov | F | 2 | 75 | N | Yellow | 1027 | | | 1026 WASTED |
| 3-Nov | F | 1 | 78 | N | Yellow | 1028 | | | |
| 3-Nov | M | 2 | 79 | N | Yellow | 1029 | | | |
| 3-Nov | F | 2 | 74 | N | Yellow | 1031 | | | 1030 WASTED |
| 3-Nov | F | 2 | 71 | N | Yellow | 1032 | | | |
| 3-Nov | M | 2 | 81 | N | Yellow | 1033 | | | |
| 3-Nov | F | 2 | 74 | N | Yellow | 1034 | | | |
| 3-Nov | M | 2 | 74 | N | Yellow | 1035 | | | |
| 3-Nov | F | 2 | 70 | N | Yellow | 1038 | | | 1036/1037 WASTED |
| 3-Nov | M | 2 | 84 | N | Yellow | 1040 | | | 1039 WASTED |
| 3-Nov | F | 2 | 56 | N | Yellow | 1041 | | | |
| 3-Nov | F | 2 | 79 | N | Yellow | 1042 | | | |
| 3-Nov | F | 2 | 74 | N | Yellow | 1043 | | | |
| 3-Nov | F | 2 | 68 | N | Yellow | 1044 | | | Condition originally listed as "1\2" |
| 3-Nov | F | 2 | 80 | N | Yellow | 1045 | | | Condition originally listed as "1\2" |
| 3-Nov | M | 2 | 82 | N | Yellow | 1046 | | | |
| 3-Nov | F | 2 | 71 | N | Yellow | 1047 | | | Condition originally listed as "1\2" |
| 4-Nov | F | 2 | 65 | N | Yellow | 149 | | | 148 WASTED |
| 4-Nov | F | 2 | 64 | N | Yellow | 150 | | | |
| 4-Nov | M | 3 | 70 | N | Clear | 4601 | | | Started the Clear Tags |
| 4-Nov | M | 3 | 77 | N | Clear | 4602 | | | |
| 4-Nov | F | 1 | 70 | N | Clear | 4603 | | | |
| 4-Nov | M | 3 | 76 | N | Clear | 4604 | | | |
| 4-Nov | F | 3 | 77 | N | Clear | 4605 | | | |
| 4-Nov | F | 2 | 71 | N | Clear | 4606 | | | |
| 4-Nov | M | 2 | 72 | N | Clear | 4607 | | | |
| 4-Nov | F | 3 | 74 | N | Clear | 4608 | | | |
| 4-Nov | M | 3 | 79 | N | Clear | 4609 | | | |
| 4-Nov | F | 2 | 61 | N | Clear | 4610 | | | |
| 4-Nov | F | 3 | 63 | N | Clear | 4611 | | | |
| 4-Nov | F | 3 | 70 | N | Clear | 4613 | | | 4612 WASTED |
| 4-Nov | F | 3 | 80 | N | Clear | 4614 | | | |
| 4-Nov | M | 3 | 74 | Y | Clear | 4615 | | | |
| 4-Nov | M | 3 | 82 | N | Clear | 4616 | | | |
| 4-Nov | F | 3 | 79 | Y | Clear | 4617 | | | |
| 4-Nov | F | 3 | 71 | N | Clear | 4618 | | | |
| 4-Nov | M | 3 | 74 | N | Clear | 4619 | | | |
| 4-Nov | M | 3 | 83 | N | Clear | 4620 | | | |
| 4-Nov | M | 3 | 68 | N | Clear | 4621 | | | |
| 4-Nov | F | 2 | 64 | N | Clear | 4622 | | | |
| 4-Nov | F | 3 | 71 | Y | Clear | 4623 | | | |
| 4-Nov | F | 3 | 76 | N | Clear | 4624 | | | |
| 4-Nov | M | 3 | 78 | N | Clear | 4625 | | | |
| 4-Nov | F | 3 | 65 | N | Clear | 4626 | | | |
| 4-Nov | M | 3 | 85 | N | Clear | 4627 | | | |
| 4-Nov | M | 3 | 83 | N | Clear | 4630 | | | 4628/4629 WASTED |
| 5-Nov | F | 2 | 74 | N | Clear | 4631 | | | |
| 5-Nov | M | 3 | 82 | N | Clear | 4632 | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 5-Nov | M | 3 | 80 | N | Clear | 4633 | | | 4634 WASTED |
| 5-Nov | F | 3 | 73 | - | Clear | 4635 | | | |
| 6-Nov | J | 2 | 30 | N | Clear | | | | |
| 6-Nov | M | 2 | 71 | N | Clear | 4636 | | | |
| 6-Nov | F | 1 | 55 | N | Clear | 4637 | | | |
| 6-Nov | J | 2 | 25 | N | Clear | | | | |
| 6-Nov | J | 2 | 37 | N | Clear | | | | |
| 6-Nov | M | 2 | 70 | N | Clear | 4638 | | | |
| 6-Nov | F | 2 | 75 | N | Clear | 4639 | | | |
| 6-Nov | F | 2 | 74 | N | Clear | 4640 | | | |
| 6-Nov | M | 2 | 77 | N | Clear | 4641 | | | |
| 6-Nov | M | 2 | 72 | N | Clear | 4643 | | | 4642 WASTED |
| 6-Nov | F | 2 | 70 | N | Clear | 4644 | | | Hook scar around mouth |
| 6-Nov | F | 2 | 72 | Y | Clear | 4646 | | | 4645 WASTED |
| 6-Nov | F | 1 | 80 | N | Clear | 4647 | | | |
| 6-Nov | F | 2 | 67 | N | Clear | 4648 | | | |
| 6-Nov | J | 2 | 32 | N | Clear | | | | |
| 6-Nov | F | 2 | 73 | N | Clear | 4649 | | | |
| 6-Nov | J | 2 | 31 | N | Clear | | | | |
| 6-Nov | F | 2 | 69 | N | Clear | 4650 | | | |
| 6-Nov | F | 2 | 60 | N | Clear | 4651 | | | |
| 6-Nov | J | 2 | 34 | N | Clear | | | | |
| 6-Nov | J | 2 | 36 | N | Clear | | | | |
| 6-Nov | J | 2 | 30 | Y | Clear | | | | |
| 6-Nov | F | 2 | 64 | N | Clear | 4652 | | | |
| 6-Nov | F | 2 | 69 | N | Clear | 4653 | | | |
| 6-Nov | J | 2 | 31 | N | Clear | | | | |
| 6-Nov | J | 2 | 29 | N | Clear | | | | |
| 6-Nov | J | 2 | 33 | N | Clear | | | | |
| 6-Nov | F | 2 | 74 | N | Clear | 4654 | | | |
| 6-Nov | F | 2 | 63 | N | Clear | 4655 | | | |
| 6-Nov | J | 2 | 34 | N | Clear | | | | |
| 6-Nov | F | 2 | 70 | N | Clear | 4656 | | | |
| 6-Nov | F | 2 | 75 | N | Clear | 4657 | | | Condition originally listed as "1\2" |
| 7-Nov | J | 1 | 36 | N | Clear | | | | |
| 7-Nov | M | 2 | 81 | N | Clear | 4658 | 80523 | 1 | |
| 7-Nov | J | 1 | 31 | N | Clear | | | | |
| 7-Nov | F | 2 | 68 | N | Clear | 4659 | 80523 | 2 | |
| 7-Nov | M | 2 | 80 | N | Clear | 4660 | 80523 | 3 | |
| 7-Nov | F | 2 | 71 | N | Clear | 4661 | 80523 | 4 | |
| 7-Nov | J | 1 | 38 | N | Clear | | | | |
| 7-Nov | J | 1 | 37 | N | Clear | | | | |
| 7-Nov | F | 2 | 67 | N | Clear | 4662 | 80523 | 5 | |
| 7-Nov | J | 1 | 34 | N | Clear | | | | |
| 7-Nov | J | 1 | 38 | N | Clear | | | | |
| 7-Nov | J | 1 | 37 | N | Clear | | | | |
| 7-Nov | J | 2 | 37 | N | Clear | | | | |
| 7-Nov | J | 2 | 31 | N | Clear | | | | |
| 7-Nov | J | 2 | 33 | N | Clear | | | | |
| 7-Nov | J | 2 | 35 | N | Clear | | | | |
| 7-Nov | J | 1 | 40 | N | Clear | | | | |
| 7-Nov | F | 2 | 76 | N | Clear | 4663 | 80523 | 6 | 1 ADULT ESCAPED |
| 7-Nov | J | 1 | 42 | N | Clear | | | | |
| 7-Nov | J | 1 | 38 | N | Clear | | | | |
| 7-Nov | M | 2 | 81 | N | Clear | 4665 | 80523 | 7 | 4664 WASTED |
| 7-Nov | J | 2 | 38 | N | Clear | | | | |
| 7-Nov | J | 2 | 40 | N | Clear | | | | |
| 7-Nov | - | 2 | 68 | N | Clear | 4666 | 8 | 80523 | |
| 7-Nov | J | 2 | 37 | N | Clear | | | | |
| 7-Nov | F | 2 | 74 | N | Clear | 4667 | 80524 | 1 | |
| 7-Nov | F | 2 | 78 | N | Clear | 4668 | 80524 | 2 | |
| 7-Nov | J | 2 | 30 | N | Clear | | | | |
| 7-Nov | J | 2 | 33 | N | Clear | | | | |
| 7-Nov | J | 2 | 38 | N | Clear | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 7-Nov | J | 2 | 37 | N | Clear | | | | |
| 7-Nov | J | 2 | 40 | N | Clear | | | | |
| 7-Nov | J | 2 | 38 | N | Clear | | | | |
| 7-Nov | J | 2 | 36 | N | Clear | | | | |
| 7-Nov | J | 1 | 39 | N | Clear | | | | |
| 7-Nov | J | 1 | 35 | N | Clear | | | | |
| 7-Nov | F | 2 | 75 | N | Clear | 4669 | 80524 | 3 | |
| 7-Nov | F | 1 | 83 | N | Clear | 4671 | 80524 | 4 | 4670 WASTED |
| 7-Nov | J | 1 | 33 | N | Clear | | | | |
| 7-Nov | M | 2 | 78 | N | Clear | 4672 | 80524 | 5 | |
| 7-Nov | J | 1 | 37 | N | Clear | | | | |
| 7-Nov | J | 2 | 35 | N | Clear | | | | Predator Marks |
| 7-Nov | F | 2 | 78 | N | Clear | 4673 | 80524 | 6 | |
| 7-Nov | F | 2 | 80 | N | Clear | 4674 | 80524 | 7 | |
| 7-Nov | F | 2 | 73 | N | Clear | 4675 | 80524 | 8 | |
| 7-Nov | M | 2 | 81 | N | Clear | 4676 | 80524 | 9 | |
| 7-Nov | J | 2 | 38 | N | Clear | | | | |
| 7-Nov | F | 2 | 79 | N | Clear | 4677 | 80524 | 10 | |
| 7-Nov | J | 1 | 40 | N | Clear | | | | |
| 7-Nov | J | 2 | 37 | N | Clear | | | | |
| 7-Nov | J | 2 | 37 | N | Clear | | | | |
| 7-Nov | F | 2 | 77 | N | Clear | 4678 | | | |
| 7-Nov | F | 2 | 76 | N | Clear | 4679 | | | |
| 7-Nov | J | 2 | 32 | N | Clear | | | | |
| 7-Nov | J | 2 | 34 | N | Clear | | | | |
| 7-Nov | J | 2 | 41 | N | Clear | | | | |
| 8-Nov | M | 3 | 76 | N | Clear | 4683 | | | |
| 8-Nov | F | 3 | 81 | N | Clear | | | | |
| 8-Nov | F | 3 | 79 | N | Clear | 4684 | | | |
| 8-Nov | J | 2 | 35 | N | Clear | | | | |
| 8-Nov | F | 2 | 78 | N | Clear | 4685 | | | |
| 8-Nov | F | 3 | 77 | N | Clear | 4686 | | | |
| 8-Nov | M | 3 | 79 | N | Clear | 4687 | | | |
| 8-Nov | F | 2 | 74 | N | Clear | 4688 | | | |
| 8-Nov | F | 3 | 73 | N | Clear | 4689 | | | |
| 8-Nov | F | 3 | 75 | N | Clear | 4690 | | | |
| 8-Nov | M | 3 | 78 | N | Clear | 4691 | | | |
| 8-Nov | F | 3 | 78 | N | Clear | 4692 | | | |
| 8-Nov | J | 3 | 35 | N | Clear | | | | |
| 8-Nov | F | 3 | 72 | N | Clear | 4693 | | | |
| 8-Nov | J | 3 | 37 | N | Clear | | | | |
| 8-Nov | M | 2 | 78 | N | Clear | 4694 | | | |
| 8-Nov | F | 2 | 71 | N | Clear | 4695 | | | |
| 8-Nov | F | 2 | 77 | N | Clear | 4696 | | | |
| 8-Nov | F | 3 | 70 | N | Clear | 4697 | | | |
| 8-Nov | F | 3 | 73 | N | Clear | 4698 | | | |
| 8-Nov | F | 3 | 76 | N | Clear | 4699 | | | |
| 8-Nov | F | 3 | 63 | N | Clear | 4700 | | | |
| 8-Nov | F | 3 | 75 | N | Clear | 4701 | | | |
| 8-Nov | J | 3 | 32 | N | Clear | | | | |
| 9-Nov | F | 3 | 71 | N | Clear | 4702 | | | |
| 9-Nov | M | 3 | 70 | N | Clear | 4703/4704 | | | Double Tagged |
| 9-Nov | F | 3 | 79 | N | Clear | 4705 | | | |
| 9-Nov | J | 2 | 35 | N | Clear | | | | |
| 9-Nov | M | 3 | 74 | N | Clear | 4706 | | | |
| 9-Nov | J | 2 | 39 | N | Clear | | | | |
| 9-Nov | F | 2 | 75 | N | Clear | 4707 | | | |
| 9-Nov | M | 3 | 87 | N | Clear | 4708 | | | |
| 9-Nov | J | 2 | 30 | N | Clear | | | | |
| 9-Nov | F | 2 | 72 | N | Clear | 4709 | | | |
| 9-Nov | F | 3 | 81 | N | Clear | 4710 | | | |
| 9-Nov | F | 3 | 78 | N | Clear | 4711 | | | |
| 9-Nov | M | 3 | 76 | N | Clear | 4712 | | | |
| 9-Nov | J | 2 | 35 | N | Clear | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 9-Nov | M | 3 | 67 | N | Clear | 4713 | | | |
| 9-Nov | J | 2 | 28 | N | Clear | | | | |
| 9-Nov | F | 2 | 76 | N | Clear | 4714 | | | |
| 9-Nov | J | 2 | 27 | N | Clear | | | | |
| 9-Nov | M | 3 | 81 | N | Clear | 4715 | | | |
| 9-Nov | J | 2 | 38 | N | Clear | | | | |
| 9-Nov | M | 3 | 76 | N | Clear | 4716 | | | |
| 9-Nov | F | 3 | 76 | N | Clear | 4717 | | | |
| 9-Nov | F | 2 | 69 | N | Clear | 4718 | | | |
| 9-Nov | F | 2 | 74 | N | Clear | 4719 | | | |
| 9-Nov | M | 3 | 81 | N | Clear | 4730 | | | |
| 9-Nov | M | 3 | 78 | N | Clear | 4731 | | | |
| 9-Nov | F | 3 | 75 | N | Clear | 4732 | | | |
| 9-Nov | M | 3 | 78 | N | Clear | 4733 | | | |
| 9-Nov | F | 2 | 72 | N | Clear | 4734 | | | |
| 9-Nov | J | 2 | 34 | N | Clear | | | | |
| 9-Nov | M | 3 | 72 | N | Clear | 4735 | | | |
| 9-Nov | J | 3 | 39 | N | Clear | | | | |
| 9-Nov | F | 3 | 73 | N | Clear | 4736 | | | |
| 9-Nov | J | 3 | 40 | N | Clear | | | | |
| 9-Nov | M | 3 | 56 | N | Clear | 4737 | | | |
| 9-Nov | J | 2 | 30 | N | Clear | | | | |
| 9-Nov | J | 2 | 37 | N | Clear | | | | |
| 9-Nov | F | 3 | 75 | N | Clear | 4738 | | | |
| 9-Nov | M | 3 | 85 | N | Clear | 4739 | | | |
| 9-Nov | J | 3 | 40 | N | Clear | | | | |
| 9-Nov | F | 3 | 68 | N | Clear | 4740 | | | |
| 9-Nov | M | 3 | 83 | Y | Clear | 4741 | | | |
| 9-Nov | F | 3 | 78 | N | Clear | 4742 | | | Loose Eggs |
| 9-Nov | M | 3 | 78 | N | Clear | 4743 | | | |
| 9-Nov | M | 3 | 78 | N | Clear | 4744 | | | Bashed Nose |
| 9-Nov | J | 3 | 37 | N | Clear | | | | |
| 9-Nov | J | 3 | 34 | N | Clear | | | | |
| 9-Nov | J | 3 | 40 | N | Clear | | | | |
| 9-Nov | F | 3 | 75 | N | Clear | 4745 | | | |
| 9-Nov | J | 3 | 37 | N | Clear | | | | |
| 9-Nov | J | 3 | 37 | N | Clear | | | | |
| 9-Nov | J | 3 | 37 | N | Clear | | | | |
| 9-Nov | M | 3 | 74 | N | Clear | 4746 | | | |
| 10-Nov | J | 3 | 32 | N | Clear | | | | |
| 10-Nov | J | 3 | 29 | N | Clear | | | | |
| 10-Nov | F | 2 | 76 | N | Clear | 4747 | 80525 | 1 | |
| 10-Nov | J | 3 | 31 | N | Clear | | | | |
| 10-Nov | F | 2 | 73 | N | Clear | 4750 | 80525 | 2 | 4748/4789 WASTED |
| 10-Nov | F | 3 | 70 | N | Clear | 4751 | 80525 | 3 | |
| 10-Nov | J | 3 | 35 | N | Clear | | | | |
| 10-Nov | J | 3 | 33 | N | Clear | | | | |
| 10-Nov | J | 3 | 37 | N | Clear | | | | |
| 10-Nov | J | 3 | 36 | N | Clear | | | | |
| 10-Nov | J | 3 | 29 | N | Clear | | | | |
| 10-Nov | F | 3 | 65 | N | Clear | 4753 | 80525 | 4 | 4752 WASTED |
| 10-Nov | F | 3 | 75 | N | Clear | 4754 | 80525 | 5 | |
| 10-Nov | F | 3 | 68 | N | Clear | 4755 | 80525 | 6 | |
| 10-Nov | F | 3 | 74 | N | Clear | 4756 | 80525 | 7 | |
| 10-Nov | F | 3 | 70 | N | Clear | 4758 | 80525 | 8 | 4757 WASTED |
| 10-Nov | F | 3 | 72 | N | Clear | 4759 | 80525 | 9 | |
| 10-Nov | J | 3 | 28 | N | Clear | | | | |
| 10-Nov | F | 3 | 53 | N | Clear | 4760 | 80525 | 10 | |
| 10-Nov | F | 3 | 72 | Y | Clear | 4761 | | | |
| 10-Nov | J | 3 | 27 | N | Clear | | | | |
| 10-Nov | F | 3 | 76 | N | Clear | 4762 | | | |
| 10-Nov | M | 3 | 79 | N | Clear | 4763 | | | |
| 10-Nov | J | 2 | 34 | - | Clear | | | | |
| 10-Nov | J | 3 | 32 | - | Clear | | | | |

| Sample Date | Sex | Cond-ition | Length (cm) | CWT | Tag Color | Tag Number | Scale | Scale Book | Comment |
|---|---|---|---|---|---|---|---|---|---|
| 10-Nov | J | 3 | 35 | N | Clear | | | | |
| 10-Nov | J | 3 | 33 | N | Clear | | | | |
| 10-Nov | J | 2 | 36 | N | Clear | | | | |
| 10-Nov | J | 3 | 35 | N | Clear | | | | |
| 10-Nov | J | 3 | 38 | N | Clear | | | | |
| 10-Nov | F | 3 | 71 | N | Clear | 4764 | | | |
| 10-Nov | J | 3 | 31 | N | Clear | | | | |
| 10-Nov | F | 2 | 73 | N | Clear | 4765 | | | |
| 10-Nov | J | 3 | 29 | N | Clear | | | | |
| 10-Nov | M | 3 | 78 | N | Clear | 4766 | | | |
| 10-Nov | J | 3 | 34 | N | Clear | | | | |
| 10-Nov | J | 3 | 37 | N | Clear | | | | |
| 10-Nov | J | 3 | 35 | N | Clear | | | | |
| 10-Nov | M | 3 | 82 | N | Clear | 4767 | | | |
| 10-Nov | J | 3 | 32 | N | Clear | | | | |
| 10-Nov | J | 3 | 26 | N | Clear | | | | |
| 10-Nov | J | 3 | 29 | N | Clear | | | | |
| 10-Nov | J | 3 | 28 | N | Clear | | | | |
| 10-Nov | M | 3 | 67 | N | Clear | 4768 | | | |
| 10-Nov | M | 3 | 89 | N | Clear | 4769 | | | |
| 10-Nov | M | 3 | 78 | N | Clear | 4770 | | | |
| 10-Nov | J | 3 | 30 | N | Clear | | | | |
| 10-Nov | F | 3 | 67 | N | Clear | 4771 | | | |
| 10-Nov | J | 3 | 32 | N | Clear | | | | |
| 10-Nov | J | 3 | 33 | N | Clear | | | | |
| 10-Nov | J | 2 | 31 | N | Clear | | | | |
| 10-Nov | J | 2 | 33 | N | Clear | | | | |
| 10-Nov | J | 2 | 34 | N | Clear | | | | |
| 10-Nov | J | 2 | 31 | N | Clear | | | | |
| 10-Nov | J | 2 | 34 | N | Clear | | | | |
| 10-Nov | J | 3 | 29 | N | Clear | | | | |
| 11-Nov | M | 3 | 86 | N | Clear | 4776 | | | |
| 11-Nov | J | 2 | 38 | N | Clear | | | | TROUT |
| 11-Nov | J | 2 | 36 | N | Clear | | | | 2 TROUT |
| 11-Nov | J | 2 | 34 | N | Clear | | | | |
| 11-Nov | F | 2 | 73 | N | Clear | 4778 | | | 4777 WASTED |
| 11-Nov | M | 3 | 71 | N | Clear | 4779 | | | |
| 11-Nov | M | 3 | 80 | N | Clear | 4780 | | | 2 TROUT |
| 11-Nov | J | 2 | 37 | N | Clear | | | | Adult Escaped |
| 11-Nov | M | 2 | 77 | N | Clear | 4781 | | | |
| 11-Nov | M | 2 | 72 | N | Clear | 4801 | | | |
| 11-Nov | M | 2 | 63 | N | Clear | 4802 | | | |
| 11-Nov | J | 2 | 33 | N | Clear | | | | |
| 12-Nov | F | 3 | 71 | N | Clear | 4805 | | | 4803/4804 WASTED |
| 12-Nov | F | 3 | 71 | N | Clear | 4806 | | | |
| 12-Nov | J | 3 | 32 | N | Clear | | | | |
| 12-Nov | F | 3 | 75 | N | Clear | 4808 | | | 4807 WASTED |
| 12-Nov | J | 3 | 37 | N | Clear | | | | |
| 12-Nov | J | 3 | 36 | N | Clear | | | | |
| 12-Nov | J | 3 | 38 | N | Clear | | | | |
| 12-Nov | J | 3 | 40 | N | Clear | | | | |
| 12-Nov | F | 3 | 76 | N | Clear | 4809 | | | |
| 12-Nov | J | 3 | 30 | N | Clear | | | | |
| 12-Nov | M | 3 | 72 | - | Clear | 4810 | | | |
| 12-Nov | J | 3 | 36 | - | Clear | | | | |
| 13-Nov | M | 3 | 58 | N | Clear | 4811 | | | |
| 13-Nov | F | 2 | 79 | - | Clear | 4812 | | | |
| 13-Nov | J | 2 | 38 | N | Clear | | | | |
| 13-Nov | F | 3 | 78 | N | Clear | 4813 | | | |

**Appendix H. Non-coho data, Black Creek fall fence, 2008.**

| Species | Sample Date | Sex | Condition | Length (cm) | CWT? | Tag | Tag Number | Scale | Scale Book |
|---|---|---|---|---|---|---|---|---|---|
| Chinook | 6-Nov | F | 2 | 86 | N | Clear | - | - | - |
| Chum | 20-Oct | F | 1 | 65 | N | Yellow | - | - | - |
| Chum | 31-Oct | M | 2 | 69 | N | Yellow | 289 | - | - |
| Chum | 31-Oct | M | 3 | 74 | N | Yellow | 297 | - | - |
| Chum | 31-Oct | M | 2 | 57 | N | Yellow | - | - | - |
| Chum | 1-Nov | F | 2 | 70 | N | Yellow | 504 | - | - |
| Chum | 6-Nov | M | 2 | 80 | N | Clear | - | - | - |
| Chum | 6-Nov | M | 2 | 69 | N | Clear | - | - | - |
| Chum | 10-Nov | M | 1 | 76 | N | Clear | - | - | - |
| Chum | 13-Nov | F | 2 | 74 | - | Clear | - | - | - |
| Trout | 8-Oct | - | 1 | 28 | N | Yellow | - | - | - |
| Trout | 31-Oct | - | 2 | 40 | - | Yellow | - | - | - |
| Trout | 31-Oct | J | 2 | 40 | - | Yellow | - | - | - |
| Trout | 1-Nov | M | 1 | 32 | N | Yellow | - | - | - |
| Trout | 1-Nov | M | 2 | 30 | N | Yellow | - | - | - |
| Trout | 7-Nov | | | | | | | | |